



QCWA
1947 - 2007
*Celebrating
60 Years!*

QCWA Journal

Quarter Century Wireless Association - Founded in 1947

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*Celebrating
100
Years!*

**Charter Member
Ralph Hasslinger, W2CVF**



Thanksgiving 2006 marked a significant milestone for our last Charter Member. Ralph Hasslinger, W2CVF, was 100-years old!

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Chapter 91 Celebrates The 400th Anniversary of The Founding of Jamestown

The Commonwealth of Virginia will be celebrating the 400th Anniversary of that founding during the year of 2007. The Vic Clark Chapter 91 of QCWA is joining in that celebration by offering an award to all licensed radio amateurs for confirmed contacts made on the amateur radio bands during 2007. See page 15 for details!

VIRGINIA QUADRICENTENNIAL AWARD

VIC CLARK CHAPTER NO. 91
QUARTER CENTURY WIRELESS ASSOCIATION, INC.

IN CELEBRATION OF THE 400TH ANNIVERSARY OF THE FOUNDING OF
VIRGINIA AT JAMESTOWN IN 1607 PRESENTS THIS
CERTIFICATE OF ACHIEVEMENT TO

WHO HAS SUBMITTED PROOF OF TWO-WAY COMMUNICATION WITH 25
AMATEUR RADIO STATIONS IN THE COMMONWEALTH OF VIRGINIA
DURING ITS QUADRICENTENNIAL YEAR OF 2007

President: _____

Certificate No. _____



Treasurer: _____

Date: August 1, 2006



QCWA Journal

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QCWA National Nets

SSB - Sunday at 2000Z on 14347
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This month's cover: Our last Charter Member, Ralph Hasslinger, W2CVF, celebrated his **100th birthday!** His granddaughter, Melanie Vanni, planned the birthday party which was attended by many family members, some, Ralph indicated, he had never met before! Read the rest of his story on page 10. **HAPPY BIRTHDAY RALPH!**

DISCLAIMER: Opinions expressed by the authors of articles contributed to the Journal do not represent the official position of the Officers or Directors of the Quarter Century Wireless Association, Inc.

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Past Presidents

John DiBlasi, W2FX (SK)

1947 - 1964

Earl R. Thomas, W2MM (SK)

1965 - 1968

Clarence Seid, W2KW (SK)

1969 - 1971

Barry Goldwater, K7UGA (SK)

1972 - 1973

Frank A. Gunther, W2ALS (SK)

1974 - 1977

Harry S. Gartsman, W6ATC

1978 - 1981

Stuart Meyer, W2GHK (SK)

1982 - 1985

Leland Smith, W5KL (SK)

1986 - 1989

Harry Dannals, W2HD

1989 - 1994

Lew McCoy, W1ICP (SK)

1994 - 1996

John Kelleher, W4ZC (SK)

1996 - 1998

Gary R. Harrison, KØBC

1998 - 2002

Croft Taylor, VE3CT

2002 - 2004

Executive Secretary/ General Manager

Ralph Barber, W2ZM (SK)

1955 - 1964

Gus Gironda, W2JE (SK)

1965 - 1973

Ethel Smith, K4LMB (SK)

1974 - 1976

Ted Heithecker, W5EJ (SK)

1976 - 1991

Jim Walsh, W7LVN (SK)

1991 - 2003

The QCWA Journal

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Welcome Sweet Springtime!

Many of the comments that have been coming this way from Members are about the Report and Order in WT Docket Number 04-140. The new provision in the vanity call sign system is of particular interest. It was our QCWA that filed the petition to allow the current holder of a call sign to designate which club (Chapter) he/she desires to claim it under the in-memoriam provision. Previously, only our relatives had that prerogative.

We are now pursuing a new petition with the FCC. It requests a procedure whereby an amateur operator who is now serving, or who in the past has served with our military, is afforded the option to make notice of such service during the amateur station identification procedure. On appropriate occasions, such as Veterans' Day, Memorial Day, Armed Forces Day and Independence Day, our military personnel and veterans could make known, during their communications, that they are serving or have served our Country and the branch of the military in which they serve or have served. A codified system of indicators reserved for this purpose would facilitate the rapid recognition of their contributions by those having interest in such. It would be one small, but meaningful way, to honor those who have served us.

The FCC's rules currently provide the option for one or more indicators to be included with the station call sign in the ID announcement. The proposal is for a system of indicators specifically reserved for this purpose. Your QCWA has requested that it be codified that when the control operator of the station is a current member, or honorably discharged veteran, of our military, a specific indicator may be included with the call sign identification announcement. The indicator would be according to a schedule consistent with the branch of service and radio call sign prefixes allocated to the United States: AAA-ALZ, KAA-KZZ, NAA-NZZ and WAA-WZZ.

The amendment (below, bold) would be an addition to Section 97.119(c): One or more indicators may be included with the call sign. Each indicator must be separated from the call sign by the slant mark (/) or by any suitable word that denotes the slant mark. If an indicator is self-assigned, it must be included before, after, or both before and after, the call sign. No self-assigned indicator may conflict with any other indicator specified by the FCC Rules or with any prefix assigned to another country. **When the control operator of the station is a current member, or honorably discharged former member, of the United States military, an appropriate indicator may be included with the call sign identification announcement. The following indicators are reserved for this purpose as follows:**

- (1) Air Force: /AIR FORCE or /AF
- (2) Army: /ARMY or /AA
- (3) Navy: /NAVY or /NA

(4) Marine Corps: /MARINES or /NM

(5) Coast Guard: /COAST GUARD or /ACG

Many of our FCC-authorized amateur operators are serving or have served with our military. Many have made valuable contributions to military electronics and communications as a result of their pre-service experience as amateur operators. Others became amateur operators during or following their military training in communications and electronics. The FCC rules already recognize this unique and mutually beneficial linkage: they authorize the grant of a military recreation amateur station license, which enable our amateur operators to continue the pursuit of their hobby even while serving duty at a military facility; they provide for the installation and operation of an amateur station onboard a ship or aircraft; and they authorize our amateur stations, transmitting on amateur service frequency channels, to exchange messages cross-band with U.S. military stations transmitting on government frequency channels during an Armed Forces Day Communications Test.

Our current military service personnel and veterans share a very unique common bond in the pride of having put aside a period from their personal lives in order to serve our Country in a difficult and demanding endeavor. Those who are also amateur operators can often share this bond to an even greater extent. Favorable action on our petition will bring more meaning to them during those patriotic events honoring our military service personnel and veterans.

RECENT VISITS

Visits with our Chapters this past quarter included Colorado Chapter 58; Ocala (FL) Suwannee Chapter 62; Sarasota (FL) Suncoast Chapter 53; Largo (FL) Gator Chapter 32; St. Petersburg (FL) Chapter 128 picnic; The Villages (FL) Chapter 217.

Welcome sweet Springtime. Make certain that our QCWA banner is flying proudly at all of your hamfests.

73
W3BE/NA

(please see photos continued on next page)

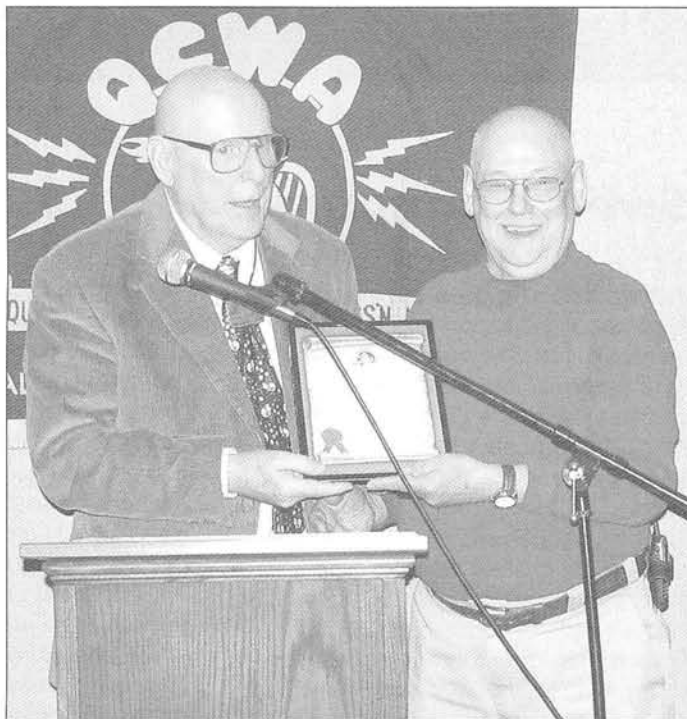
The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed. Membership inquiries and general correspondence should be addressed to the business office at P.O. Box 3247, Framingham, MA 01705-3247 U.S.A. Telephone: 508-405-1930 FAX: 508-405-1965



(r) Baltimore Chapter 20 VP & Secretary Les Jamison, WR3X receives Meritorious Award, from John B Johnston, W3BE.



Chapter 20 Team: KB3IKD, Picnic Chef; K3JIS, Sunshine Person; W3BE, President; WR3X, VP & Secretary; W3YVV, Treasurer; W3RFQ, News Letter Editor; N3PKX, Activity Coordinator.

Send your questions by e-mail to johnston.john1@att.net

GENERAL MANAGER'S Report

Chuck Walbridge, K1IGD



SPRING 2007

GREMLINS ARE BACK! I'm sure many of our members recall the source of the pesky problems which plagued many activities during WWII—Gremlins! Don't look now but they are back! They caused a mailing problem with the Winter issue of the Journal. The street address field was not transferred from the QCWA database (it was there) into the program used by the mailing vendor. The city/st/Zip/country field got printed twice. Some members were lucky to receive the first mailing. Most likely the address was a PO Box (the last four digits of the Zip code) or you lived in a smaller community and were known by the postal employees. It was necessary to have a second printing and mailing, at the vendor's expense. If you received two copies, pass the extra copy along to a non-QCWA member. You just might enlist a new member!

CHAPTER REPORT FORM: The Chapter Report Form, mailed in December 2006 to each Chapter Secretary, is important for two reasons. First, it is the one action required of each Chapter to retain their Charter. Secondly, it serves as the basis of the Active Chapter list published each Spring. Secretaries change, and since they are the primary contact for new members looking for information about your Chapter, it is important that the list have current names, calls and addresses. If yours has not been sent to Headquarters, please take care of that now. Thanks.

MEMBER DIRECTORY: A recurring question received at Headquarters is "Why am I not listed in the Member Directory?", which is posted on the Web as a pdf file. The Directory lists members whose dues were active as of June 30 of the year of issue. Since the Bylaws state that members are not delinquent until 90 days after their expiration date, members whose dues were current back to March 31 are included. A new version will be prepared and posted mid-August. A CD with the pdf file will be available from Headquarters for \$US10 ppd, after the file is posted.

DAYTON 2007: Like the change of seasons, the Dayton Hamvention (May 18-19-20, 2007) is just around the corner. Our request has been submitted to be located in the same booth as last year, no. 470. Be sure to stop by, say "Hello", and visit for a spell. Jan and I hope that by that time, all of our members who may have suffered through a snow-bound winter, will be thawed out and able to attend. See you then! Check the web site for details on the Friday night QCWA Banquet!

SCHOLARSHIP PROGRAM - Just a reminder. The deadline is April 15th. To request an application from: **Scholarship Committee, Foundation for Amateur Radio, PO box 831, Riverdale, MD 20738. Submissions must be received by May 15th.**

QSO Party Dates for 2007

Spring Party: March 31 to April 1, 2007

Fall Party: September 15 – 16, 2007

Log sheets are available from Headquarters or on the QCWA Web page

73, Chuck Walbridge, K1IGD

General Manager

QCWA BYLAW REVISED

The Board of Directors have voted, using the e-mail voting protocol, to modify Article VI, Nominations and Elections, Section 6, fourth sentence, to read as follows: "Ballots shall be mailed by April 1st of each election year to each member in good standing. The polls shall be open no less than 60 days after the date of ballot mailing. Election of those candidate positions which are contested shall be by written ballot vote of a plurality of those members voting before the close of the polls on July 15th. Those candidates who were not contested will not be listed on the ballot."

In accordance with Article IX, Amendments, Section 3, "The membership shall be advised of any amendment to these Bylaws at least sixty (60) days prior to its becoming effective." The Secretary shall establish the effective date of this change.

51st Annual QSO Party Rules

Rules for the 51st Annual QCWA QSO Parties

QCWA invites you to participate in the 2007 QSO parties. All licensed Radio Amateurs world wide are invited. Time/Dates: The Spring QSO party will commence on March 31 at 1800 Hrs UTC. It will run for a period of 24 Hours. (Fall Party - Sept. 15)

Frequencies: The following 15 Bands may be used:

1.8: 1.800 - 2.000	14.0: 14.000 - 14.150	28.3: 28.3 - 29.7
3.5: 3.500 - 3.750	14.2: 14.150 - 14.350	50.0: 50.0 - 54.0
3.9: 3.750 - 4.000	21.0: 21.000 - 21.200	144: 144.0 - 148.0
7.0: 7.000 - 7.150	21.2: 21.200 - 21.450	220: 220.0 - 225.0
7.2: 7.150 - 7.300	28.0: 28.000 - 28.300	UHF above 420 Mhz

Any station may be contacted on any or all of the 15 bands for a maximum of 15 QSO's per station, with no more than one QSO per Band. Any station in your home QCWA chapter may be counted only once, for a maximum of one QSO per station. No contacts on WARC bands are permitted (10, 18 and 24 Mhz Bands). No Cross Band or Repeater Contacts are allowed.

Suggested Starting Frequencies:

CW: 1.810: 3.540: 7.035: 14.040: 21.050: 28.050

Phone: 1.845: 3.890: 7.244: 14.262: 21.365: 28.325

Calling (CW or Phone): CQ QCWA

Information Exchange: Fill Columns on the Log Form. For the "year" column, indicate the last 2 digits of the year the station operator was first licensed. If the contacted station does not belong to a QCWA chapter show only the State, Province or Country of its location. The latter would apply to Non QCWA members as well as to QCWA members who are not affiliated with a local chapter. **Do Not mention the term "At Large" (AL) as was done several years ago, as this can be confused with AL for Alabama.** For Band info, simply indicate one of the above 15 Bands in the "band" column.

Categories: You may choose to work all modes (MIXED) or only (PHONE) or only (CW/DIGITAL). Certificates will be issued for each Category of "Cw/digital", "Phone", or "Mixed" .

Scoring: Each Phone QSO is worth one contact point. Each CW QSO or other Digital Mode QSO such as RTTY, PSK31, MFSK etc. is worth 2 contact points (show 2 points in the QSO Points Column on the Log). A Multiplier of one point is given for each QCWA Chapter worked and for each State, Province or Country reported from stations not belonging to a QCWA Chapter. A total of only one multiplier point will be given for each State, Province or Country. A Multiplier of 3 points will be given on each of the 15 Bands for working our Special Events Station W2MM. It is hoped to have this station active throughout the two parties. Stations within 50 miles (80 Kms) of W2MM, may work W2MM only once for a total multiplier of 3 points. W2MM location is Denver Colorado.

Sample Logs and a summary sheet may be requested from **QCWA Headquarters** with an SASE. The address is:

PO Box 3247 Framingham, MA 01705-3247 USA. They are also on the internet at **www.qcwa.org**. Contacts with QCWA Memorial Station W2MM count as three multipliers on each of the 15 bands.

Awards: Certificates will be issued for the top 3 World Scores in each category. A certificate will also be issued for the top score in each category in each participating Country.

Send Logs to: **W2OD, Robert Buus, 8 Donner Street, HOLMDEL N.J. 07733-2004, U.S.A.** or as an e-mail attachment to: **w2od@aol.com**. Logs should be submitted within 30 days.

Rules/logsheets/summary form are available at website www.qcwa.org/qso-party.htm

PHONE: QCWA September 2006

Call	Name	Chapter	Total Score
AA8P	Matt	214	9864
W8AUV	John	41	1666
W5LUE	Jack	72	100
W3UQH	Duane	31	90
W3FYA	Doc	20	88
W6RFL	George	198	81
VE3XK	Doug	70	56
WB5NMZ	Mark	AL	56
VE3NPC	Clare	70	35
VE3HKG	Frances	70	16
WB8UYA	Robert	214	16
K4IJK	Janice	112	16
WD8E	Frances	212	4
W2OD	Bob	138	1

Headquarters Station

W2MM	Bill, K1FUB	149	9089
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MIXED: QCWA September 2006

Call	Name	Chapter	Total Score
N4ARO	Dick	TN	17941
VE3CT	Croft	70	10206
W4YE	Buddy	202	3737
VE3BNO	George	70	3096
K4BAI	John	GA	1716
W6IST	Al	7	820
K5RB	Dick	41	592
W9FB	Zak	IN	448
VE4AHZ	Jack	70	432
WA1PFC	John	112	348
N2BZD	Pat	138	209
VE3CBE	Wally	70	209
W5GVP	Tom	72	190
W9NVK	Ed	162	187

Multi-Op Station

W1ZEN	Bob, KK3P	112	7000
	Bob, W1HH		
	Tony, WA1ENO		

CW/DIGITAL: QCWA September 2006

Call	Name	Chapter	Tot. Score
W7ZMD	Nick	16	7038
N6CMF	Phil	130	5822
W3CP	Jim	OR	5616
K1AA	Norm	45	4160
VE3NH	Bill	73	4104
N6SL	Ben	109	2726
AA5KV	John	85	2240
AB2N	Arnold	138	1890
K4JM	Tom	VA	1650
W1HH	Bob	112	1566
VE3IAY	Rich	70	1408
K6SS	Len	130	1188
VE3BBM	Ralph	70	1160
WB4DCM	Charles	126	1050
VA3RKM	Bob	70	684
VA3ZBB	Rod	70	476
VE3GX	Ed	70	450
W9HR	Al	162	420
W6HV	Troy	130	360
W6HG	Hugh	130	338
WA4ZPR	Jack	119	180
K8VFR	Rose	10	176
W4YOK	Tom	TX	160
W2BZY	Bob	45	126
WA8MWA	Carolyn	120	70
W3TZW	Roy	6	50
W4AGI	Vic	202	40
W6NT	Ray	7	32
VE3ZBB	Betty	ON	4

Headquarters Station

W2MM	Brian	61	3660
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Certificate Winners: QCWA Fall QSO Party, Sept 16/17, 2006 50 years of QSO Parties

Call	Name	Location	Chapter	Rank	Category
W7ZMD	Nick Sues	Phoenix, Az	Ch 16	Highest Score	CW/Digital
N6CMF	Phil Sedgwick	Yucaipa, CA	Ch 130	2nd Highest	CW/Digital
W3CP	Jim Headrick	Stanfield, OR	OR	3rd Highest	CW/Digital
AA8P	Matt Tinker	Ashland, Ky	Ch 214	Highest Score	Phone
W8AUJ	John Maier	Dallas, Tx	Ch 41	2nd Highest	Phone
W5LUE	Jack Die	Fort Worth, Tx	Ch 72	3rd Highest	Phone
N4ARO	Dick Church	Johnson City, Tn	TN	Highest Score	Mixed
VE3CT	Croft Taylor	Kanata, On	Ch 70	2nd Highest	Mixed
W4YE	Buddy Smith	Wirtz, Va	Ch 202	3rd Highest	Mixed
VE3NH	Bill McGugh	Ailsa Craig, On	Ch 70	Highest Canadian	CW/Digital
VE3XK	Doug Leach	Ottawa, ON	Ch 70	Highest Canadian	Phone
W1ZEN	Yankee Chapter	Framingham, Ma	Ch 112	Multi-Op	Mixed

Special Thanks

To Brian, K9VKY and Bill, K1FUB who operated as Headquarters Station W2MM. Normally W2MM is operated by the Chapter hosting the QCWA Convention. When we hold our Convention in Canada we cannot allocate the call to a Canadian Chapter. Chapter 58 in Colorado is our 2007 host.

To Bob Buus, W2OD who does our log checking and compiles the results. Bob is Secretary of Chapter 138 and a former Director of QCWA.

Chapter Participation

As well as Chapters who sponsored Multi-op stations we congratulate the Chapters who were able to motivate more than two of their members into operating in the QSO Party. They were Ch70, Ch112, Ch 130, Ch138, Ch130 and Ch 6.

Cheers,
George, VE3BNO

Summary Paragraph: In order to assist the log checker, please include, along with your logs, a summary Paragraph as shown below.

QSO'S

CW Contacts (Digital) _____ X 2

Phone Contacts _____ X 1

Total Contact Points

Multipliers

Total Score = A x B

CONTACT POINTS

= _____

= _____

= _____ (A)

= _____ (B)

= _____

Send your log along with the above summary paragraph to the following address within 30 days of the QSO Party. All participants are encouraged to send in logs no matter how few or how many contacts you have made.

CATEGORY CW () PHONE () MIXED ()

2007 QSO PARTY

Name: _____

Call:

Final Score:

Address:

Chapter #

QCWA Membership Number

Mode Entered
(circle one)

MIXED

PHONE

CW/DIGITAL

[illegible]

Celebrating 100 Years!

Charter Member, Ralph Hasslinger, W2CVF, turns 100!

By GM, Chuck Walbridge, K1IGD



Thanksgiving 2006 marked a significant milestone for our last Charter Member. Ralph Hasslinger, W2CVF, was 100-years old! His granddaughter, Melanie Vanni, planned the birthday party which was attended by

many family members, some, Ralph indicated, he had never met before! I have summarized some of Ralph's background in the following material.

Ralph was born in New York City in 1906 and moved to New Jersey in 1909. His original license was 2CVF in 1922. His first exposure to "wireless" was at a classmate's house in 1918. Ralph became interested in a "wireless" receiver that emitted intriguing dots and dashes, which he first thought came from the Brooklyn Navy Yard.

His first "home brew" receiver was built from an oatmeal box, some #24 wire, a wooden frame, a slider to contact the coil on the oatmeal box, and a piece of galena and "cat whisker". Audio was provided by a telephone receiver. The antenna was 100 feet of #14 wire from the attic to a tree in the back yard. After finding the sensitive spot on the galena detector, dots and dashes were finally heard.

Ralph was initially on the air with a Ford spark coil using his initials, which was the common practice at that time. He finally was licensed in 1922, taking his exam at the Custom House in New York with the "legal" call of 2CVF. Over the years, Ralph expanded on his operating skills, eventually upgrading to more modern equipment.

It was in the evening of Friday, December 5th, 1947, in an upstairs room of Pappas Restaurant in New York City, when Ralph and 33 other young men met to plan for something that would change amateur radio history. From an idea that had originated during a 10-meter net the month before, an organization to recognize the common bondage between those licensed for 25 years, was to be created. All of them had started with Ford spark coil, as a transmitter, and worked their way up to a 1kw rotary gap transmitter, all on or above 200 meters. (Ralph's original license indicated he could transmit on 180, 190 and 200 meters!) All advanced, in time, to CW and to the "frequencies" we now know.



Ralph Hasslinger, W2CVF with his son Glenn (left) and granddaughter Melanie Vanni.



Early photo of two Charter members, Ralph Hasslinger, W2CVF (left) and Frank Lester, W4AMJ (right) (sk).

When discussing the name for their new organization, Frank Lester, then W2AMJ (now an SK) suggested "Quarter Century" to recognize their years of service and "Wireless Association" to indicate an organization whose members had pioneered amateur radio from the days of wireless spark. The enthusiasm of the original fifty-four Charter members to establish QCWA is the legacy we now live with.

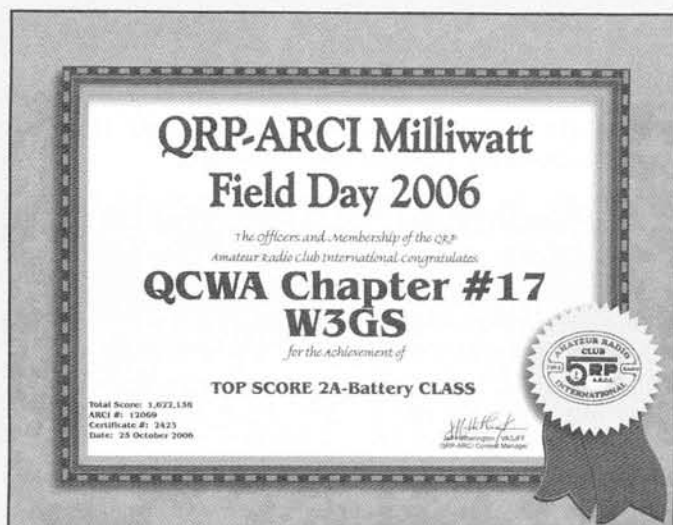
Ralph has been a generous benefactor of our QCWA Memorial Scholarship Fund. Through his contributions, many young hams have benefited in being able to become educated and move on to be productive members of our society. Thanks Ralph!!

(A summary of Ralph's life was presented in the Summer 2002 Journal and the history of QCWA was in the Spring 1994 Journal. Both were used as sources for this summary. DE GM)

From the GM:

Here is an idea for a Chapter Project!

From Mark J. Schreiner, NK8Q



I'm Mark J. Schreiner, NK8Q. I've been an associate member of Chapter 17 for the past few years and helping them out with Field Day. The past couple of years we decided to try something a little different. Usually they (we) would run 1A or 2A with 100W rigs like most stations, operating with a generator cranking away all weekend. Well, by a little different, we decided to try 2A-Battery QRP with my Elecraft K2 on SSB and Don, W3LR's K2 on CW. This was the first time our rigs were to be used in a contest as we both finished building them within a couple of months prior to Field Day. We use the club callsign of W3GS at the QTH of Ray Bilger, W3TDF (his QTH is about 11 acres in Bucks County, PA and is fondly referred to as "Grumpy Acres"). He has a great QTH, although it gets VERY hot as there are no shade trees, just a wide open grassy field. Oh, we also have a VHF station and a GOTA station as well. The biggest problem is getting enough operators to keep the stations active!

Anyway, in 2005, our first attempt at "something different" we ended up getting 4th place in the ARRL event, about 25 points shy of third place which was achieved by Tom, NOSS who convinced their club to also try "something different" for once. Well, that was encouraging! Although at first there were many complaints about how difficult it was to operate QRP (especially true for the VHF operators, no doubt), we did pretty well and those who were initially discouraged by our results got their spirits lifted. I heard from Tom, NOSS, that the consensus of their club was that it was a nice experiment but they wouldn't ever be doing anything like that again. It sounded like that at first from some members of our team as well, however, like I say, we were more encouraged after seeing the overall results, so decided to do the same effort again this past year, 2006.

Well, results came out in a recent QST magazine and we ended up getting 2nd place in the 2A-Battery category. This was quite encouraging as well, however some analysis of the scoring seems to have us interested in contacting the 1st place team to see how they were able to gather such a good score. We are anxious to learn how we can do better! I know that having more operators was one of the key differences for 2005 when all of the other teams that were in the top three had at least 18 operators or more while we had about 1/3 of that amount. However, having consistent high QSO rates throughout the whole contest must be the way to better scores. Anyway, we hope to have a dialog with the 1st place team in hopes to learn how to give them better competition!

I am also a member of QRP-ARCI so I submitted our scores (both in 2005 and 2006) to that organization for their concurrent competition for "Milliwatt Field Day" and in both cases we got 1st place in the 2A-Battery competition. Note the certificate from this past year. We got a similar one the year before, 2005, which I passed along to our chapter Secretary & Treasurer, Mike Donio, K3NWM, for the club archives. Our chapter President, Ray, W3TDF, suggested I forward the certificate to the Journal for possible publication in the newsletter. We hope to also have it published in our monthly chapter newsletter and it is on our chapter website at <http://www.enter.net/~w3zmn/qcwa17/qcwa17.html> for others to see as well.

73,

Mark Schreiner, NK8Q



The Rules Say... Q&A

John B. Johnston, W3BE, 17701 Bowie Mill Road, Derwood, MD 20855-1608

COLOR-CODED APPAREL

Ray Dio III, ex-K8DAI, Guest Columnist

Q. Can't something be done so that we can see someone's class of operator license just by looking?

A. Yes. We should all wear apparel color-coded to our class of operator license. Our clothing should conform to our resistor color-code scheme:

1. Brown: Novice
2. Red: Technician
3. Orange: Tech Plus
4. Yellow: 5-wpm General
5. Green: 13-wpm General
6. Blue: Advanced
7. Purple: 5-wpm Amateur Extra
8. Gray: 20-wpm Amateur Extra
9. White: Reciprocal alien

With our class of operator license known to all at a glance, incentives to upgrade should become more rewarding: higher license class operators should receive preferred hamfest parking, free hamfest passes and favored seating at banquets and forums; they should go to the head of the hamfest hotdog queue; receive restroom priority; etc. Color-coded face-painting with forehead call sign would add to the class-recognition factor and facilitate a saluting protocol.

Q. Which is the bigger problem facing amateur radio today: ignorance or apathy?

A. A study of this perplexing question was completed recently by our Chapter. It concluded that most hams really don't know the answer and they certainly could not care any less.

Q. My XYL accused me of loving our contests more than I do her. How should I answer?

A. Our Chapter has completed a study into the best way to respond to this delicate question. It concluded that you should be truthful in your answer, but do not volunteer any unnecessary information. For example, the XYL of one member asked him that very question. He answered that he loved her more than Sweepstakes and Field Day Contests.

Caution! Do not bring our DX contests and QSO parties into this potentially explosive ranking system!

Q. I was pleased to read that your Grandpa, Ray Dio, had his Dayton Hamvention flea market spot on high ground like mine. When the Hamvention was held in April, the rainwater was 23" deep at the lower end of the flea market lot. Now that it's held in May, the water is only 6" deep. Why do we keep going back there year after year?

A. Because it is equally difficult to reach from any point in our Galaxy. There is nowhere else where we would be so delighted to pay jacked-up room rates, wait for bus rides, eat hamfest chow and slosh in the rain through mud. Moreover, nobody goes there anymore; it's so jam-packed that oftentimes you can't even move.

Q. It seems as though politics has somehow overpowered the FCC. What are the qualifications to be a Commissioner?

A. Just be appointed by the President of our United States and be confirmed by the Senate. Of the five Commissioners, no more than three can be from the same political party. The Chairman and two Commissioners are traditionally from the same party as the President.

It is shocking that you should even suggest that politics might affect anything taking place in Washington, DC.

Q. Four years ago I heard that amateur radio will be gone within five years. How long do you think it will last?

A. Until someone can figure out better ways to kill it off. It is very resilient, having beaten back numerous demeaning attempts by some of our more notorious hams. Even if all of our spectrum were taken away tomorrow, we would probably go on doing lunch, visiting boat anchor swap-meets, requesting dead hams' call signs, attending club meetings, etc. Our communications would switch over to the Internet and to cellular telephony. The work being carried on in the field to test this concept appears to be quite promising.

Q. What is a polite way for ending a boring QSO?

A. The "dinner call" ploy might work if you do not intend to start up immediately another QSO on or near the channel. Otherwise, you might try using this approach from the Bard of the Bauds:

*Say, old chap, this QSO is really going great.
Let's keep it going forevermore and not let it abate*

*A few things have come up; they don't amount to much
My dog just bit our mailman; he's going to sue and such*

*My XYL ran off with my best friend and it has me on a
limb. I don't know what I will do. Gee, I'm going to miss
him*

*Just had a hurried phone call from the big boss at the
plant. Can't waste my time with him though now he'll
rave and rant*

*But I can't end this QSO 'til I've heard once more from you
Let's hope that QRM will let me pull you through!*

Q. Have there been any recent developments for remote control of an amateur station?

A. Yes. There are some very promising experiments underway in Transylvania by the noted experimenter-ham, Dr. Frank N. Stine, YO0000. Using an improved version of a process developed by his grandfather in the 1930's, he is testing an amateur station robot assembled from ham operator body parts.

In the initial test, the robot shuffled to the station control point and tapped out on the Morse key, "CQ DE W8RC K".

For the second trial, half of the robot's brain was removed. This time, it sat down at the PSK-31 keyboard and typed out, "CQ DE W3BE K".

In the final experiment, the entire brain was removed. The robot then grabbed the microphone and screamed, "CQ DX CQ DX CQ DX CQ DX...!"

A kit will be introduced to our market in late October. It will include your illustrated instructions, parts list, neck-peg, black suit, Jacob's ladder lightning device, thunder machine, operating table, surgical tool set with gown and face mask. Bats are not included.

The critical component - as the tests substantiate - is the brain. Three models will be offered:

Rag chewer @ \$10 per ounce.

Traffic handler @ \$1,000 per ounce.

DXer @ \$1,000,000 per ounce.

You will simply obtain locally the other body parts as needed.

Q. Why is a DXer's brain so much more expensive?

A. Because it takes so many DXers to yield an ounce of brains. DUH!

Plug-in upgrades will be available next year. One will enable your robot to pass any amateur radio license examination anywhere. At considerably less cost, another upgrade under development will cause your robot to write rules columns for ham publications. Your suggestions for additional future upgrades are solicited.

Q. I received several OO notices for operating just a few Hertz out of the band during a contest. How should I respond?

A. Tell them that someone pushed you while you were in a pileup.

Q. The Field Day Contest should be discontinued. Don't you agree?

A. Absolutely not! Such an unthinkable move could severely disrupt the entire brewing, processed meat and insect repellent industries.

Q. How far from the station control point may the "control operator" be while continuously monitoring and supervising an unlicensed third party operator's participation in stating the third party message?

A. One radio club has imposed a five-wavelength schedule. They have an Amateur Extra Class control operator (wink-wink) wandering somewhere or other around the premises. The distance he or she is from the control point determines the frequency privileges of their third party "participants:"

Within 1 wavelength - Amateur Extra Class.

Within 2 wavelengths - Advanced Class.

Within 3 wavelengths - General Class.

Within 4 wavelengths - Technician Class.

Within 5 wavelengths - Novice Class.

More than 5 wavelengths - none.

Q. How dumbed-down will the license examinations become?

A. Until they are totally meaningless. Our VEs will simply pass out call signs to each passerby on every street corner. A few may even keep them.

Q. I have just joined QCWA and our local chapter. What is a "business" meeting?

A. It means they couldn't obtain an interesting speaker for that program, so they're going to play the weary old business meeting game.

Warning! Do not join in this game until you have

memorized entirely and understand fully the following procedure:

1. The Chairperson will call for new business.
2. One member will take the floor and introduce the issue: "Someone should do something about _____. The more trivial the issue is, the better the game action will be.
3. A heated debate will follow, all of which will have little or nothing to do with the issue.
4. The Chairperson will ask for volunteers to work on resolving the issue.
5. At this critical point, make no quick movements! Do as the others do and avoid eye contact with the Chairperson. Just look upward slowly and count silently the number of ceiling tiles.
6. Finding no volunteers, naturally, the Chairperson will announce the decision whether to fix the blame on the FCC or on the League.
7. The game is over.

Caution: Should someone mention the words "constitution" or "by-laws," flee the premises immediately! This means that the meeting will drag on late into the night and - outside of a few massaged and bruised egos - nothing will be accomplished.

Q. What should I wear while under a tower where antenna work above me is in progress?

A. Our tower experts, W3NRS, K3WX and W3YVV, advise that - in addition to a hard-hat - it would be appropriate to also wear whatever your local dress code and modesty standards require. They advocate PG, as a minimum.

Q. Our repeater would be so much better off if wasn't for one of our Chapter members. The way he talks is annoying to the rest of us. What do you suggest?

A. Inform him of your displeasure with his anti-social conduct. Before doing so, however, walk one full mile in his shoes. That way, you will have a one-mile head start and he won't have shoes!

Note: Most of the above questions have really been asked or are based upon actual comments. As for the answers... well, this is your April issue.

Our regular robotic columnist, W3BE, will return next issue searching, always searching, for yet another of your questions about our FCC rules. Send them to: john@johnston.net.

QCWA STANDING COMMITTEE ORGANIZATION

COMMITTEE

CHAIRPERSON

ADMINISTRATION:	Ken Oelke, VE6AFO
CHAPTER RELATIONS:	Carolyn Harrison, WB0OUM
EXTERNAL RELATIONS:	Val Erwin, W5PUT
FINANCIAL:	Tony Hirsch, W8RSH
PUBLICATIONS:	Leroy Baldwin, WOOFY

Addresses for Chairpersons can be found at the listing for QCWA Officers and Directors. A complete listing of all committee members is available at the QCWA website, www.qcwa.org.

**Trying to sell some
equipment?
Looking for something
hard to find?**



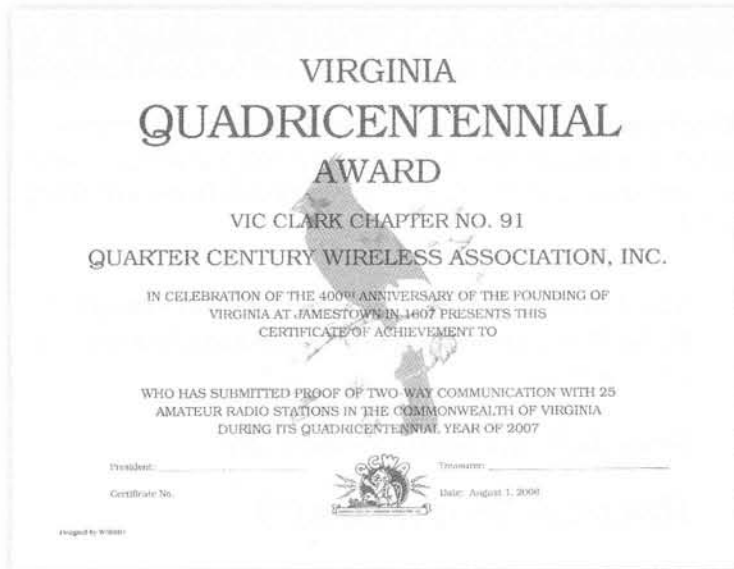
**Use the QCWA Journal
Member Classifieds
to assist you in your quest!**

Chapter 91 celebrates the 400th Anniversary of the founding of Jamestown

In 1607 the first permanent English settlement in the New World was founded on the east bank of a river, on a spit of land 40 miles upstream from where that river empties into the Atlantic Ocean. Its founders, some 100 in number, sailed over on three vessels: the Susan Constant, the Godspeed, and the Discovery. They landed first at Cape Henry, near what is now known as Virginia Beach.

Seeking a more secure location, they ventured upstream into what is now known as the James River, and they named their new settlement Jamestown. Both were named in honor of their King, James I.

The Commonwealth of Virginia will be celebrating the 400th Anniversary of that founding during the year of 2007. The Vic Clark Chapter 91 of QCWA is joining in that celebration by offering an award to all licensed radio amateurs for confirmed contacts made on the amateur radio bands during 2007.



This Award, a colorful certificate 8 by 11 inches in size, will be available to all amateurs satisfying the following requirements.

1. The Award will be issued for confirmed two-way contacts with 25 different stations in the State of Virginia during the quadricentennial year of 2007.
2. Contacts must be between 0000 UTC 1 January 2007 and 2400 UTC 31 December 2007.
3. Certificates will be serially numbered in the order issued and signed by the Chapter President and Treasurer.
4. Contacts may be made on any frequency authorized for amateur use. Contacts through a repeater will not be creditable.
5. Any mode legal on the frequency used will be acceptable.
6. Applicants must submit a list of contacts claimed including: call, date and time (UTC), band/frequency, mode, QTH, and name of operator. Each application must include a signed statement certifying the list to be accurate.
7. There will be a fee of \$2.00 for applicants in North America. (Check, cash, or money order only. No credit cards or stamps accepted.) Certificates will be gratis to stations outside North America but donations will be accepted.
8. Applications for the Award will be accepted until 1 July 2008 at:

Vic Clark Chapter 91, QCWA
P. O. Box 4112
Merrifield, VA 22116-4112



CHAPTER REPORTS

Chapter Reports are a very important part of the Journal. We would like to see regular reports from all Chapters. If your Chapter is not represented on these pages, please ask your Secretary to file a special report for the Journal. Please send the reports to Chuck Walbridge, General Manager, to arrive **NO LATER** than the following dates: January 1 for Spring, April 1 for Summer, July 1 for Fall and October 1 for Winter.

ATTENTION! QCWA Chapter Report Guidelines: All future Chapter reports will need to follow these limits set by the Publications Standing Committee: 500 words and two photos maximum. When taking photos, group together those receiving awards rather than individual photos. Those can always be posted on a Chapter webpage. When a Chapter report is submitted, please include the Chapter number in the title and with any photos submitted. Preferred formats for reports are: Word (.doc), rtf or plain text.

Chapter 1, Cleveland (OH)

The Cleveland Chapter kicked off the New Year by observing the 100th anniversary of voice over wireless. In a news release to area media, QCWA explained that it was 1906 when Reginald Fessenden transmitted Christmas greetings to ships at sea by voice rather than Morse code.

Chapter One President Dick Ingraham, WA8TPP, commented, "This historic feat caused thousands of curious wireless hobbyists to begin experimenting with this amazing new technology called radio. They were then, and still are called 'Amateur Radio operators'."

Our newsletter Editor, D.E. "Dee" Logan, W1HEO, received the ARRL's 2006 Philip J. McGan Memorial Silver Antenna Award for demonstrating success in Amateur Radio public relations in the volunteer spirit of the Award's journalist namesake.

New members joining the Chapter were David Parris, AB8SB; Arthur Lewis, WA8VSJ; and Harry Winfield, K8LXH.

The Chapter continues to conduct a weekly net on

146.850 MHz at 8:00 p.m. local time with Amateur Radio News, sunshine reports, a question of the week and other features.

Devere "Dee" Logan, W1HEO, Newsletter Editor

Chapter 2, Chicago Area (IL)

President Jim Quinn, K9JQ, opened the meeting at 7 p.m. at Colletti's Restaurant in Chicago, Ill..

Those in attendance were:

K9JQ - Jim and Mary Lou Quinn

W9MOL - Lee and Phyllis Knirko

WB9DJD - Paul Bovaconti

W9LOB - Al and Lillian Mazure

WA9FTS - Mike Brost and Carol Sparacio

Jim Quinn welcomed the members and their guests. President Quinn announced that our four Officers and three Directors, Phil Herman, Ray Corcoran, and Al Mazure terms of office will expire on January 1, 2007. He called for nominations. Paul nominated all the present Officers and named Directors, and the nominations were closed. Election will be held at the January meeting.

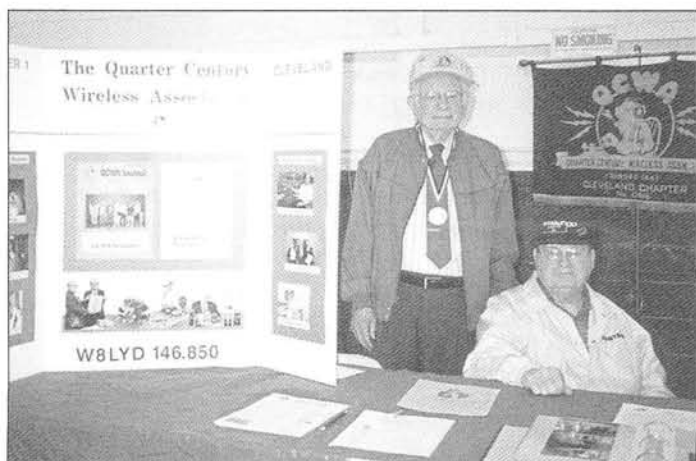
The Restaurant served their usual choice of beef, chicken and fish. All agreed the food was fine.

After the meal, entertainment was provided by Mike Brost, WA0FTS, who showed pictures taken during his recent visit to Mt. Rushmore and a CD describing the building and dedication of the National Memorial. The meeting closed at 9:30 p.m.

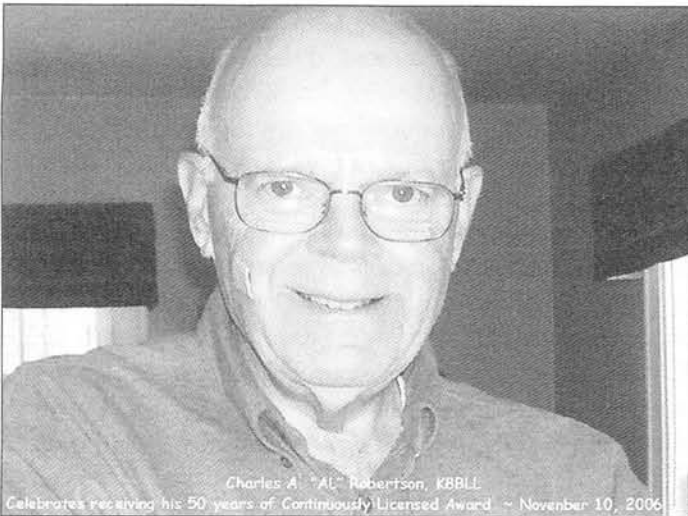
Lee Knirko, W9MOL, Acting Secretary

Chapter 10, Michigan (MI)

As Michigan Chapter 10 brings their 46th year to a close, we can reflect on another very active and prosperous year. Our membership has grown to 115 primary mem-



Chapter One was represented at the Cleveland Hamfest by Jack Goldfarb, W8WGO, left, and Dick Ingraham, WA8TPP, right.



Charles A. "Al" Robertson, K8BLL, celebrates receiving his Fifty-Year Continuously-Licensed Gold Certificate Award.

bers to date, with the addition of 14 new members in 2006. We welcome our most recent new members, Linda Sadler, WB8ZNQ, of Chase, MI, and David Burk, W8III, of Delton, MI.. It is with deepest regrets that we report these silent key members in 2006: Alan Anderson, KB8TLY; Ronald Eichorn, WA8MYT; Clifford Graff, W8QM; and Theodore Kangas, W8HV.

Charles, "Al" Robertson, K8BLL, of Stevensville, MI, received his QCWA 50th Anniversary Of Licensing Award, and Fifty-Year Continuous Licensing Award.

Due to recent frequency allocations, the Chapter 10 cw net has now moved to 3.530 MHz, on Sunday at 2:30 PM, local time, with NCS WB8ICN. Our ssb net continues to be held on Sunday morning, with our pre-net beginning around 7:30 AM, local time, and the regular net starting at 8:00 AM, local time, on 3.903 MHz. Please join us on both of these nets as visitors are always welcome.

Our Annual Meeting will be held on May 05, 2007, at the Waterfront Restaurant in Cadillac, MI, beginning at 1:00 PM. The meeting will include the election of Officers, and presentation of QCWA Service Awards for 2007. Prior to the business meeting, there will be a smorgasbord luncheon, tickets for which may be purchased at the QCWA table at the swap and shop or at the Waterfront Restaurant prior to the luncheon. The meeting is held in conjunction with the Wexauke Amateur Radio Clubs swap and shop, which is held at 8:00 AM, at the Cadillac Junior High School, in Cadillac, MI.. We are thankful for the Wexauke ARC donating a table for QCWA at no charge. Plan on attending both events and enjoy a full day of activities.

Our annual Summer picnic will be held on Wednesday, August 15, 2007, at the Kenwood Park in Cadillac, MI, beginning at 12:00 noon. Those attending

are asked to bring their own drinks and table service and a passing dish. Details of the Annual Meeting and Summer Picnic can be found on the Chapter 10 webpage on the QCWA website at: <http://www.qcwa.org/>. Maps and directions to both events may be obtained on the web- page as well.

We wish to extend our congratulations to the new slate of Officers for QCWA and look forward to a prosperous new year for QCWA.

This Memorial Day, please remember all of our dearly departed members, loved ones, and especially our Veterans that paid the ultimate price for our freedoms and for making this Country the greatest Nation in the World. As Winter loosens its grip and Spring and Summer prepare to make their grand entry, we wish everyone a happy and healthy year in 2007.

It was the general consensus of the Chapter 10 membership that the deletion of the CW requirement for all classes of amateur radio licenses was not a good thing to do. We hope that the "powers to be" will give consideration to rescinding that decision and bring the CW requirement back. CW has always been an effective mode of communications under the most adverse conditions and to eliminate that mode from the amateur ranks attacks one of the very purposes and integrity of this great hobby. We hope that QCWA will continue to encourage CW operations amongst their members and continue their National CW net as well.

Our thanks for the continued excellent service from our General Manager, Chuck Walbridge, K1IGD, and his wife, Jan. We applaud their dedication in being the "life-line" between QCWA Headquarters and all of the worldwide membership.

Please visit our webpage for additional information of Chapter activities. Have a great Spring and Summer!

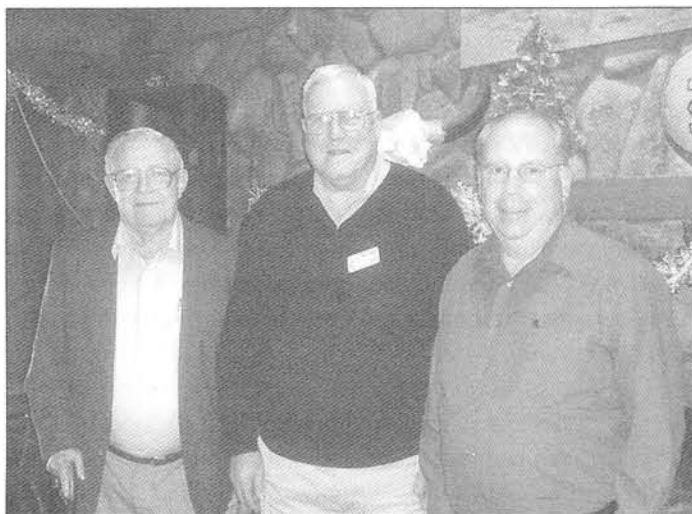
James F. Bishop, W8JFB, Secretary/Treasurer

Chapter 16, Barry M. Goldwater (AZ)

On October 21st, 24 members and guests attended our meeting at the Landmark Restaurant in Mesa. After President Jim Swafford, W7FF, led introductions around the room, a delicious lunch was enjoyed by all. Then, Vice President Doug Besemer, KØVPL, introduced Ralph Craner, KVØR, President, Center for Amateur Radio Learning (CARL) at the Arizona Science Center in Phoenix. Carl gave a very interesting talk about the CARL activities in fostering amateur radio by maintaining and demonstrating a well-equipped ham station, W7ASC, and helping interested persons to obtain their licenses. Following a period of questions and answers, Jim then conducted the official annual business meeting where the following actions were



George Lucchi, W6NVN, (left) receives his 70th Anniversary Award from President, Jim Swafford, W7FF (right).



Re-elected as Officers of the Arizona Chapter 16 are left to right, President Jim Swafford, W7FF; Secretary/Treasurer, Bob McCuskey, W7BV; and Vice-President, Doug Besemer, KØVPL.

taken. The current Officers were re-elected for another two year term: President, Jim Swafford, W7FF; Vice President, Doug Besemer, KØVPL; and, Secretary-Treasurer, Bob McCuskey, W7BV. A number of Anniversary Awards were presented to awardees attending the meeting. Those awardees not attending were mailed their Awards. Those receiving Awards were: Ray Schulte, WØDFI, 65 yr; Ralph Barr, WØDNO, 55 yr; Lockhart Pingree, W1ZD, 60 yr; Mike Kovar, W2ZN, 70 yr; Phil Battey, W3FZV, 55 yr; Al Lee, W6KQI, 55 yr; George Lucchi, W6NVN, 70 yr; Sergei Ticknor, W7ILH, 50 yr; Darval Nelson, W7KNA, 60 yr; Shirley Tintstman, W7OQB, 55 yr; Clarence Wenzel, W9ILM, 65 yr; and John Elwood, WW7P, 55 yr. The meeting was adjourned shortly after 2:00 PM.

On December 2nd, 23 members and guests attended our annual Holiday Meeting at the Horny Toad Restaurant

in Cave Creek. After President Jim Swafford, W7FF, led introductions around the room, a delicious buffet lunch was enjoyed by all. Following lunch, Vice-President Doug Besemer, KØVPL, introduced our holiday entertainment, Musical Journeys, a group of friends who, through their love of music, refuse to let the performance of "old favorites" fade into memories. They come from all walks of life to join in a common goal to entertain, share their talents and enjoy music together. The program included music from the 30's and 40's, Broadway shows and Christmas. The performance brought back memories for everyone and was very professionally done. Following a short business meeting, the meeting was adjourned at 2:30.

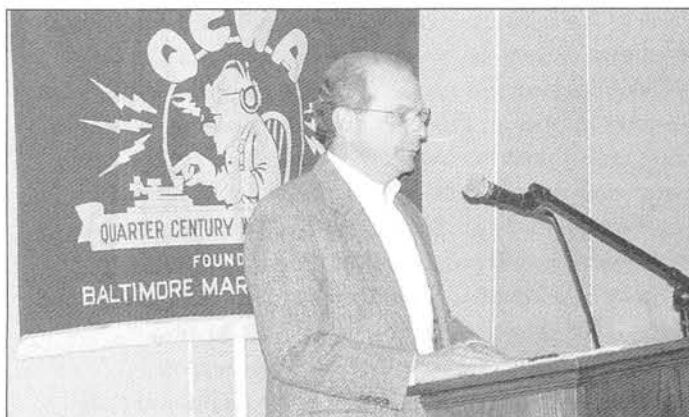
Bob McCuskey, W7BV, Secretary/Treasurer

Chapter 20, Baltimore (MD)

This has been a good year for Chapter 20, with our weekly meetings being held at Cactus Willies in Glen Burnie, Maryland. On Sunday, December 3, 2006, Chapter 20 held their annual Holiday Banquet at HELLA's Restaurant in Millersville, Maryland. There were 31 members, XYL's and friends attending. Once again our President John Johnston, W3BE, chaired the shortest business meeting, lasting a total of 4 seconds. Officers for the year 2007 are President, John Johnston, W3BE, VP/Secretary, Les Jamison, WR3X; and Bruce Carpenter, W3YVV, Treasurer; Ken McKee, W3RFQ, News Letter Editor. Our guest speaker was Riley Hollingsworth, K4ZDH. Riley spoke about yesterday, today and the future of Amateur radio.

VP/Secretary Les Jamison, presented XYL's with A.R.T. (Amateur Radio Tolerance) Certificates. Les downloaded these from the Society for the Preservation of Amateur Radio homepage. These Certificates were for their putting up with our Amateur Radio activities.

The grand prize of a \$100 gift certificate was won by Stanley Taylor, W3ZNK. The 50-50 raffle was won by



Guest Speaker, Riley Hollingsworth, K4ZDH.



Edith Kozma, Carol Schwartz, Les, Nobie Asaki, Marilyn McKee, Joan Carpenter and Charlotte Jamison, receiving their A.R.T. Certificates.

friend and chef of Chapter 20 Ed Briggs, KB3IKD.

If you are in the vicinity any Monday, please join us at 12 noon at Cactus Willie's 7315 Ritchey Glen Burnie, Maryland 21061, across from Empire Towers. XYLs are invited, especially on the 1st Monday of each month.

Les Jamison, WR3X, Vice President/Secretary

Chapter 21, Canton (OH)

The regular quarterly meeting of QCWA, Chapter 21, Canton, Ohio, was held on November 18, 2006, following dinner at the Chateau Michelle, Canton, OH. President Kay McCune, W8LNK, presided for a business meeting. There were 22 members and guests present. A note to the Chapter reported that Eric Gammeter, N8AAY, son of our former member Ed Gammeter, W8CSU (SK), is President of a new Chapter, Francis Scott Key Chapter 216, in New Market, Maryland.

President, Kay McCune, opened the meeting for elections. A Nomination Committee sent the following nominations: Vice President, Judy McCune, N8AIM; Sec.-Treasurer., David Glass, W8UKQ; Director, Perry Ballinger, W8AU.

Nominations were opened from the floor. There being none, the motion was made to close nominations and for the Secretary to cast the unanimous ballot. The nominees were elected to office. Nelson Caley, W8EAR, will become the new President for a third term.

President-elect Nelson Caley reported that the next meeting will be at the Hometown Buffet on February 17.

Nelson Caley presented the program with a PowerPoint presentation about the Great Allegheny Passage. It was an Elderhostel bicycle trip with 25 riders. In three days they rode 98 miles from Myersdale, PA, to Boston, PA, over former rail trails. Prizes were awarded

David Glass, W8UKQ, Secretary

Chapter 30, West Virginia (WV)

Since our Chapter did not have a Fall meeting, I am afraid my report is short and very limited. Don't forget to support the local hamfest through the state this Spring. I will attempt to be at each one with our Chapter, banner flying. Please stop by and say hello. Better yet, bring a friend and sign them up for membership.

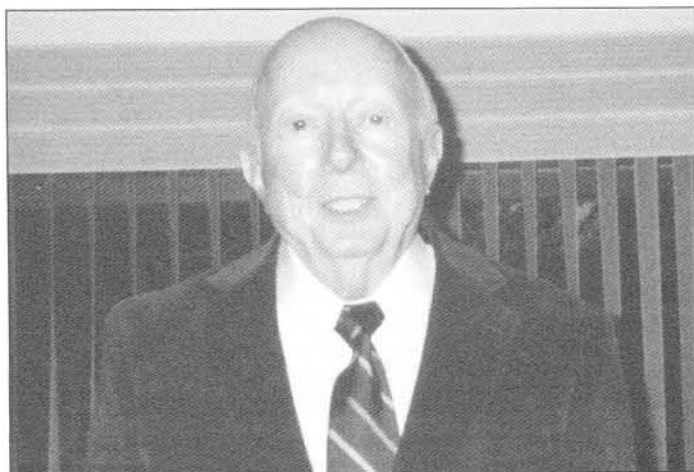
At the time I have to submit this column, the date and location have not been set for our Spring gathering. I will have to let you know about the event by our e-mail and snail mail newsletter, so keep an eye open for this information.

I would like you to meet one of our Chapter members, Robert Hess, W8VIF, from Wheeling, WV. Bob took an interest in ham radio as a teenager. His first project came in the 8th grade when he built a crystal set and used it to tune in the local radio station WWVA and KDKA in nearby Pittsburgh. In high school he built a regenerative receiver and along with three buddies set about learning the code and studying the ARRL Handbook.

At age 17, a trip to the FCC office in Pittsburgh back in 1940 resulted in Bob receiving the call W8VIF which he has held ever since. Only one of his other buddies passed their test that day. During WWII, Bob was with the Office of Strategic Services.

After the war was over, Bob returned to being an active ham with a big station with a tower and beam antennas. His operating preference has been CW through the years with a little SSB mixed in. He enjoys chasing DX on both modes as well as participating in local service nets.

To support his hobby and family, Bob worked in the sugar industry for Domino Sugar Company. He was a District Manager working with industrial products. On retiring, he moved to Florida where he became very active with the Gold Coast Amateur Radio Association.



Robert Hess, W8VIF

CHAPTER REPORTS

After fifteen years in Florida, Bob moved back to Wheeling to be closer to family and old friends. He is still active on the bands and looking forward to good operating conditions in the next sunspot cycle. Bob has received Certificates from QCWA for his 55th, 65th and 70th Anniversary Awards as well as the QCWA Century Club Award.

Dave Mays, W8UI, Secretary/Treasurer

Chapter 41, Dallas (TX)

It is with a deep sense of regret that the Chapter advises that Charter Member Jack Kennedy, W5DJ, became a Silent Key the day after Christmas at his Colorado QTH. Jack was a WWII Navy veteran, a graduate of Vanderbilt University where he earned an EE Degree in electronic engineering and an MS Degree in mathematics. He was a key engineer at Collins Radio Company where he was heavily involved in the company's Apollo Deep Space Communications Program and oversaw installation and check-out of its tracking equipment in Australia and other distant monitoring stations. Long a dedicated amateur radio operator, Jack's friendly voice was familiar to hams around the world and there were few DX countries not worked in Jack's significant accumulation of contact-filled logs. He was the consummate engineer, a caring family man, and forever a gentleman.

The Chapter welcomes the following new members: Don Donaldson, AB8YZ; James Horton, WB8YWA; Robert Naumann, W5OV; Art Harding, K5YEF; Carl Solomon, W5SU; William Brown, KA5KVF; and Fred Zimring, W5HTR. The Chapter is also proud to have its member Val Erwin, W5PUT, as a newly-installed member of the National Board of Directors of The Quarter Century Wireless Association.

Under President Brodie's initiative, the Chapter recently concluded a very successful fund-raising effort, and thanks



Pictured (l-r) are Chapter 41 President Steve Brodie, K5ZYZ; Nadine Wells, W5ZUT, Protocol Director; and Bert Wells, W5JNK, Secretary-Treasurer, during an informal luncheon meeting in the Chapter's executive dining room.

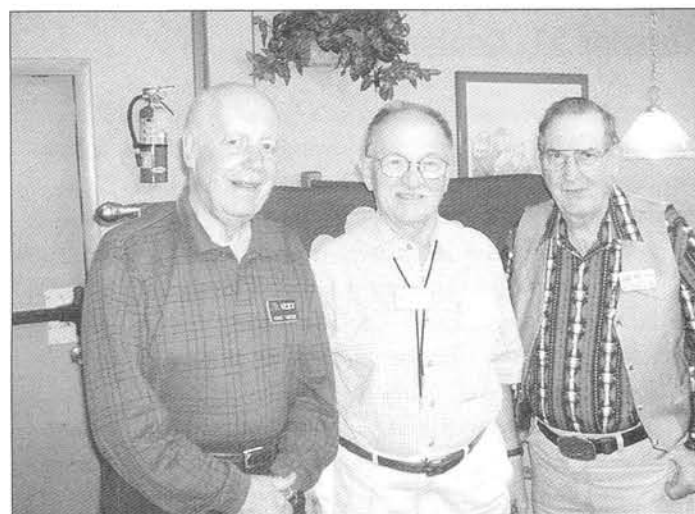
to the generosity of members we now have first-rate program projection equipment affording a seemingly limitless selection of interesting programs for presentation.

Chapter 41 meets for lunch on the first Saturday of the month at noon at Mid-Point Restaurant in Dallas near the southwest corner of LBJ Freeway and Midway Road. Visitors are welcome.

Bob Olney, N5NT, Recording Secretary

Chapter 53, Suncoast (FL)

The first luncheon meeting of the 2006-2007 season for Suncoast Chapter 53 was held on October 4th with 19 members and guests in attendance. Treasurer, Peter Pesa, N4RD, confirmed that we have sufficient funds in our treasury such that, once again, we can have one meeting at which the meals will be at no cost to those attending. Of course, we do not announce in advance which meet-



(l-r) QCWA Past President Croft Taylor, VE3CT; QCWA Secretary, Walt Supina-N3WS; and Chapter 53 President, Jack Sproat, W4JS, at our December meeting.



President, John B. Johnston, W3BE, talking to the members at our November meeting.

ing this will be, but it does provide an incentive for our members to come out to our meetings. No formal program was scheduled, but varied comments were offered, regarding members' activities during the Summer, which led into discussion of the advances in communications over the past decade or two.

We had 25 members and guests on hand to welcome QCWA John B. Johnston, W3BE, and his wife Betty, N3PKX, to our November 1st meeting. John had the opportunity to update us on current QCWA news. John offered photos and information to better familiarize our members with the newly-elected QCWA Officers. John then discussed the involvement of the QCWA, and himself personally, in the FCC's "Omnibus" Amateur Radio proceeding that was released on October 10. John also gave a brief report on the 2006 QCWA Convention which was attended by some 200 persons. Jack Sproat, W4JS, offered a program on the "Ins and Outs of QSLing."

We were saddened with the passing of Bob Siff, K4AMG, in late November. He is survived by his wife of 63 years, Avanelle, two sons, and three grandchildren. Bob had been Vice President of Chapter 53 since 1997, and he and Avanelle faithfully attended our meetings.

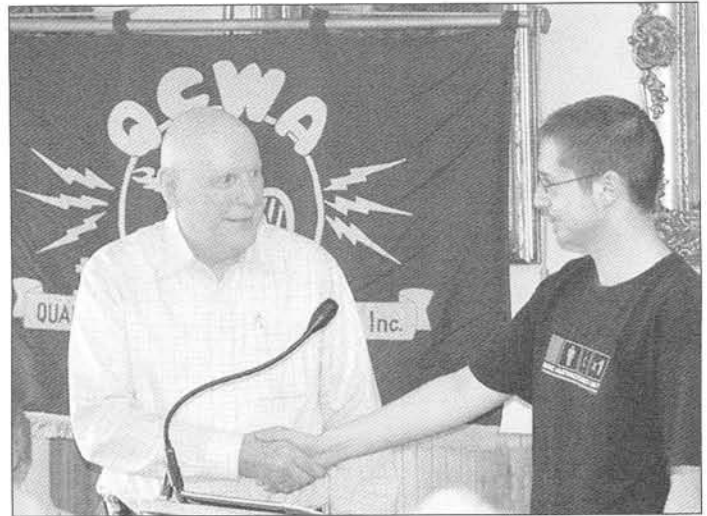
There were 21 members and guests in attendance at our December 6th meeting, and we were quite pleased to have newly-elected QCWA Secretary, Walt Supina, N3WS, and his wife, Aura Lee, N3EPV, visit with us. The December meeting is when our annual election is held and, once again, the members voted to have the same Officers serve during 2007. A representative of Metro Crime Prevention of Florida presented an interactive program which offered advice on ways in which we can protect ourselves and our property from criminals. Our members are coming up with programs for the remainder of the season, which will include an auction at our April 2007 meeting.

From October through May, Suncoast Chapter 53 meets at Denny's, 3701 Bee Ridge Road, Sarasota, FL, at 11:30 AM the first Wednesday of the month. All QCWA members living in, or visiting, the Florida Suncoast area are always welcome. Please contact the undersigned at w4js@juno.com if you would like to join with us.

Jack Sproat, W4JS, President

Chapter 62, Suwannee (FL)

The regular meeting of Chapter 62, QCWA, was held on the 26th of October, 2006 at 11:30 a.m. at the Golden Corral on Rt. 200 in Ocala with President Ken, W8EK, presiding. Following the pledge to the Flag, the invocation was given by Don, KE4PMB. There were 36 members and guests present.



Stephen Simpson, KC8IOY, (right) thanks National QCWA President John B. Johnston, W3BE (left), for the scholarship that QCWA awarded to him.

President Ken introduced our guest speaker, John B. Johnston, W3BE, National QCWA President and President of the Baltimore QCWA Chapter 20. Mr. Johnston spoke about things that had taken place at the recent QCWA Board meeting, and also the recently-released changes in FCC rules and band allocations.

Stephen Simpson, KC8IOY, thanked Mr. Johnston and the National QCWA for the scholarship he was awarded.

A motion was made by Ron Toller, N4US, and passed unanimously, that the Secretary was instructed to write a letter to the National QCWA requesting that a Chapter Award of Merit be issued to Ken Simpson, W8EK, for his dedication to QCWA.

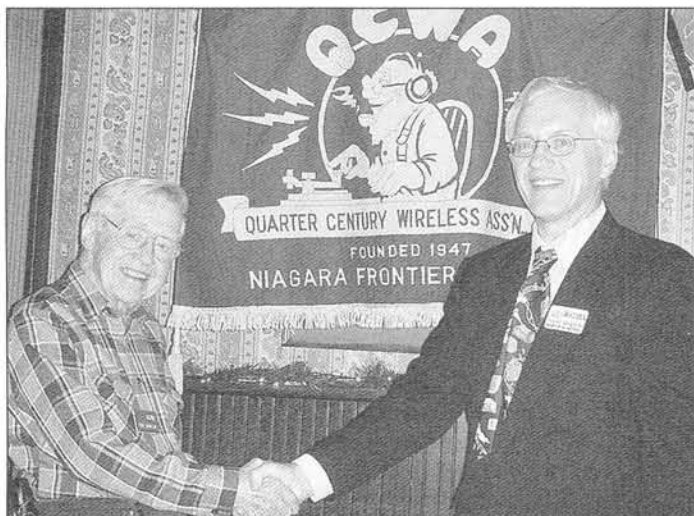
Ken Simpson, W8EK, President

Chapter 65, Niagara Frontier (NY)

There were a total of 23 who attended the Niagara Chapter 65 Christmas Party at Brennan's Bowery Bar in Williamsville, NY. Many gifts were passed, courtesy of both the Chapter and individual member donations. The food was augmented by tasty treats offered by those skilled in baking pursuits. What a great time had by all!

Our general meeting was held as well as election of Officers and Board Members for three-year terms. We welcome and thank Steve Heider, W0LUB, who stepped up to fill a vacant Board slot. All other previous Board Members will continue for another term. The four Officer positions will continue to be held by only two members. Tom Whalen, W2QI, will be our VP/Treasurer, and Larry Rybacki, WA2ARA, will be our President/Secretary.

Bob Crooks, W2CHB, was awarded his 50-Year License Certificate, and Gil Brink, W6BNW, was awarded his 55-Year Certificate. Congrats, OM's!



Tom Whalen, W2QI, VP/Treasurer; and Larry Rybacki, WA2ARA, Pres/Secy, congratulate each other after the election.



Some of the membership listening intently to the Christmas Party announcements.

We are saddened to report the loss of Chapter Charter Member Hank Kuhn, W2IRU. Hank was always a soft-spoken gentleman and was a retired broadcast engineer. He never lost interest in learning new technology, even into his 90's.

It is always sad for me to write about Silent Keys. It is, however, especially sad when someone who is your long-time friend joins the ranks. On Christmas Day, we lost Chapter Charter Member Bill Hope, W2EWT, at the age of 95. Bill served the Chapter as Secretary for many years, and was known for keeping meticulous records. Bill was a radio technician for the US Border Patrol for 35 years, and was retired for exactly 30 years. He administered the 25 WPM Morse code test to me when I started my own career with the agency many years ago. A true gentleman in every sense who always had a smile for you. Bill, we will truly miss you. Vaya con dios, mi amigo.

The Officers and Directors encourage our members to

assist us in locating and inviting prospective members in joining the QCWA National and our local Niagara Chapter 65. The prestige, awards, publications, and friendships are most worthwhile.

I would like to draw your attention to a new feature on the QCWA.org National website. It is called the Novice Historical Society, and includes pictures and stories of ham radio nostalgia. I get a kick out of it. You will too!

Please join our weekly net each Sunday at 1330 EST on 3900 KHZ. Club call W2SD is used by NCS, Tom Whalen, W2QI. Also, if you are in the Western New York area, give out a call on 147.430 simplex. You are also invited to join our luncheon every 2nd Saturday of the month at noon at Brennan's Bowery Bar, Routes 5 and 78, Williamsville NY,

Larry Rybacki, WA2ARA, President/Secretary

Chapter 70, National Capital (ON)

The Chapter's last dinner meeting for 2006 was held on 21 November with 44 members in attendance. Vice President, Gus Holtz, VE3VK, chairing the meeting, noted that President, Joe Parkinson, VE3JG, was unable to attend as he was sick with a cold.

Gus invited Robert Mackenzie, VA3RKM, to give a short overview of the FIST organization whose aim is to encourage the use and preservation of the Morse code. Chapter 70 has recently obtained a FIST club membership (membership no. 12475) available to any chapter member who wants to enter a FIST contest using the Chapter callsign. Robert has agreed to be the Chapter QSL Manager for cards for FISTS. Director Doug Leach, VE3XK, presented thirty-year pins to Wayne Getchell, VE3CZO, and Ying Hum, VA3YH.

Past President, Jim Dean, VE3IQ, representing the



Doug Leach, VE3XK, presents a thirty-year pin to Ying Hum, VA3YH.



Doug Leach, VE3XK, presents a thirty-year pin to Wayne Getchell, VE3CZD.



Our guest speaker, Clare Fowler, VE3NPC, brought along some examples of helix antennas he has constructed.

Nominating committee for new executive Board Members, reported the following: members of the Executive Board are elected for a period of two-years with some positions overlapping so as to provide continuity when new executive members come on board. As of December 31st, the following positions are up for election for a two year period: the President, Treasurer, Director, Doug Leach, VE3XK, and Director, Ernie Brown, VA3OEB.

Jim further noted that any Chapter member in good standing may nominate, (no later than three weeks before the AGM) to the Chapter Secretary, any other member who is willing to participate in the election. In this case, the Secretary did not receive any nominations. This year, the Officers who have been recruited are as follows: President, Dave Parks, VE3AV; Treasurer, Bryan Rawlings, VE3QN; and Director, Robert MacKenzie, VA3RKM. Director, Doug Leach, VE3XK, has agreed to stand for another term. As the Secretary did not receive any other

nominations, the new Officers were declared elected by acclamation, effective 1 January 2007. Continuing in their positions until 31 Dec 2007 are Vice President, Gus Holtz, VE3VK; Director, Marg Heaslip, VE3EQE; and Chapter Secretary, Tom Bartello, VE3ELM. Also effective 1 January 2007, Joe Parkinson, VE3JG, becomes Past President for a two-year term.

Jim, VE3IQ, introduced Clare Fowler, VE3NPC, Chapter 70 Member, as the guest speaker. Clare's talk, based on a paper he submitted to the AMSAT Journal May/June 2006 issue, was on "Real World Helix Antenna Comparison Measurements". Clare's learning and construction experience with vhf/uhf helix antennas spans an 18-year period. His talk illustrated certain differences between classical antenna theory for helix antennas as shown by Krause and the latest NEC computer modeling software for helix antennas.

Clare has favoured the simple design formulas developed by Kraus, the inventor of the helix antenna. Later designs have been published by Atkins, Emerson and Cebik based on NEC computer modeling. The NEC designs purport to give up to 3 db more gain and to limit the number of turns to a maximum of about 20. ARRL publications and website calculators have utilized these computer modeling results to determine construction dimensions. Clare made a number of 2400 MHz helical antennas based on the Kraus design and a number based on the Emerson design. Extensive test range measurements were made comparing the two designs. The test results indicated helix antennas constructed using the Emerson design with a circumference greater than one wavelength did not provide the predicted increase in gain over one constructed using the Kraus design with a circumference of one wavelength and in one case had 6 dB less gain. As well, the Emerson design antennas exhibited a poorer pattern with increased side lobes. The test results also showed that helical antennas can be constructed with up to 52 turns that will provide useful gain.

Clare can find no information on any other direct experimental evidence to verify the computer modeling results for helical antennas. It is not understood why the NEC helical antenna modeling seems to be questionable when it has been so successful for other antenna types. He also found that the use of aluminum or PVC tubing for a boom did not significantly affect the gain or beam width over ones using fiber glass. Clare brought along some examples of helix antennas he has constructed.

Doug, VE3XK, thanked Clare for a most interesting and informative talk.

Tom Bartello, VE3ELM, Secretary

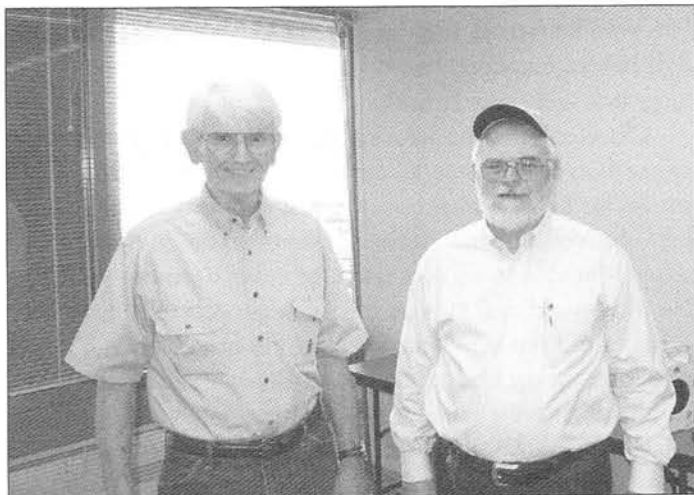
Chapter 85, Ark-La-Tex (LA)

Chapter 85 held its last quarterly meeting of 2006 at the Bossier City Library on October 28th. Vice President, Lawrence Lea, W5PQ, led the meeting in place of President, Roger Ley, WA9PZL, who was out of town. Also missing was Bud, W5AJS, and Dottie Ports. Bud was recuperating at home after a prolonged hospital stay but was doing well at last report. The topic for the meeting was D-Star, a new digital voice and data transmission technology that uses the 2m, 70cm, and 23cm amateur radio bands. Mike McCrary, WB5LJQ and his wife Marilyn, W5ADM, gave an excellent slide presentation on D-Star and described their current efforts to establish a local system and gateway in the Shreveport/Bossier area. We are grateful to Mike and Marilyn for positioning themselves at the "bleeding edge" of this new technology!

For the past several weeks, our usual Monday night net has been conducted on the 146.76 machine, rather than the longer range repeater 146.67. As a result, several members in outlying areas have been unable to check into the net. We hope the technical problems with 146.67 will be corrected soon. We are most appreciative of the Amateur Radio Club of Shreveport (ARCOS) for the use of their repeaters.

We encourage all amateurs to attend our informal Thursday luncheons (called the Lunch Bunch) at Luby's Cafeteria in Bossier City, Louisiana. We begin about 11 AM. Hope to see you there!! Best 73.

John Stewart, AA5KV, Secretary/Treasurer



Left to right, Chapter 85 Vice President, Lawrence Lea, W5PQ, and Mike McCrary, WB5LJQ after Mike's slide presentation on D-Star.

Chapter 91, Vic Clark (VA)

Our Chapter now has a new website. The major improvements are: (1) an outline (tree) structure to make it much easier to find the page you're looking for and (2) a more professional appearance. A new product written for the Macintosh by Karelia Software, Sandvox, made this practical. As a beta tester for the product, I attest to the responsiveness and competence of its two creators, Dan Wood and Terrence Talbot. <http://www.karelia.com/> Check the new website out here:

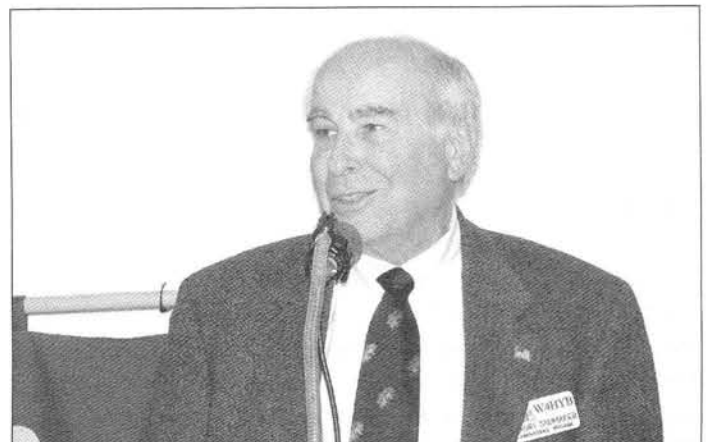
<http://homepage.mac.com/rucker/chapter91/>

The previous website has been converted to an archives-only site. If you are interested in reading about, or seeing photos, from Chapter 91 events that occurred prior to July 2006, go to the archives-only site either by clicking on the ARCHIVED EVENTS button in the menu bar of the new site or by going there directly using this URL: <http://homepage.mac.com/rucker/qcwa/chapter91.html>

Since the stories and photo albums covering recent events are found on the website, just a capsule summary of each recent event follows.

October: We toured the Visitor Center at NASA/Goddard's Space Flight Center in Greenbelt, MD. In addition to the self-guided tour of the Visitor Center, we enjoyed a presentation on ARISS, short for "Amateur Radio on board the International Space Station," by Hugh O'Donnell, W3FUO, and a one-hour showing of their spectacular, new, computer-controlled projection system called "Science on a Sphere," hosted by "DJ" Emmanuel, Operations Manager for the Visitors Center.

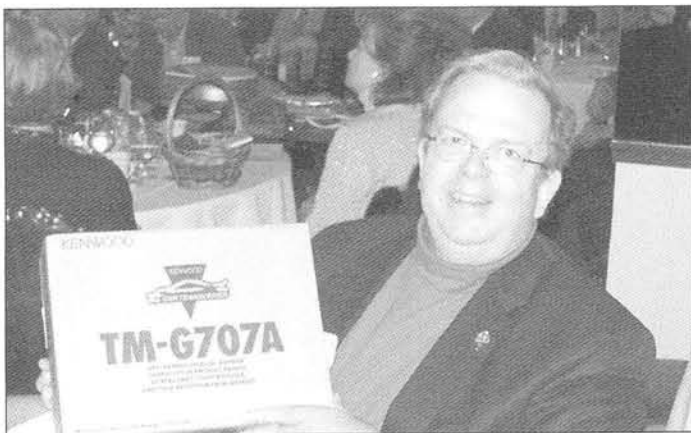
November: We elected the following as the Chapter's Officers for 2007: President, Len Hook, KG6ZR; Vice President & Program Chair, Tim Donovan, WA4CLK; Treasurer, Nelson Seese, W4BHD; and Secretary, John Reiser, WQ4L. Our featured speaker was Kam Sirageldin, N3KS, who presented the details of the operation he and



Maury Shumaker, W4HYB, featured speaker.



Jim Richey, AG4MA, and Ray Johnson, K5RJ.



Tim Donovan, WA4CLK.

David Collingham, K3LP, initiated from Desecheo Island, KP5, in December 2005. Finally, Nelson Seese, W4BHD, showed off his brand-new DXCC certificate.

December: Our Christmas Luncheon at the Marco Polo Restaurant in Vienna, Virginia, was attended by 54 members and guests. Our featured speaker was chapter 91 member Maury Shumaker, W4HYB, who told us about an ARISS contact event held in March 2006 in the high school he graduated from in 1953. Outgoing President Ray Johnson, K5RJ, presented QCWA's Meritorious Award to Jim Richey, AG4MA. Chapter 91's Santa Claus had found that everyone present had been good and so each received a gift. The top gift was a Kenwood transceiver, won by Tim Donovan, WA4CLK.

A few of our website visitors have asked us to tell something about Vic Clark, W4KFC, the man honored in the name of our Chapter. That has been done in the new "Odds-n-Ends" branch of our website and also in a "pagelet" that appears on the right side of every top-level page. Our new President for 2007, Len Hook, found a great photo of Vic operating on Field Day 1950 for the pagelet. It is reproduced here, courtesy of the Potomac



Vic Clark, W4KFC.

Valley Radio Club (PVRC):

For more about these events and the photo albums covering them, please visit our website.

Dick Rucker, KM4ML, Secretary

Chapter 102, Dakota (ND/SD)

Black Hills amateurs participated in the ARRL Simulated Emergency Test (SET) again this year. The following Chapter members represented their counties: Butte County: Jerry Hawley, KG0GG mobile; Lawrence County: Jerry Hawley, KG0GG at Lead SD, EOC; Hughes County: Greg Hall, WB0RJH in Pierre SD, via State 2 meter Link; Pennington County: Scott Rausch at BHARC Clubhouse (Command Center).

Traffic was handled via the Western SD Emergency Weather Net on the linked 94 / 76 repeaters, with net control located at the Rapid City National WX service station. HF coordination was handled on 7234 and 3870 kHz. The BHARC clubhouse backup power source (gasoline generator) started "on the first pull" to the amazement of all present.

New this year was the checkout of new 2 meter J-pole and portable vertical antennas, as well as a relay out of the VHF operating position at the BHARC clubhouse. Organizational efforts resulted from the ARES Hermosa Planning Meetings held this year.

The Scouts Jamboree on the Air (JOTA) was again supported this year at the BHARC clubhouse. 16 participating Scouts made twenty-three HF contacts. Scott, WA0VKC, was among the hams hosting the JOTA this year.

Work continues on the BHARC 30 ft dish project. The mechanical and electronic components of the control system are being designed and tested at this time. Harry Martens, WA0MFZ, worked on the software and integration for this project. The dish will eventually be used for

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projects at frequencies of VHF and up.

Frank Shaw, NU0F, and Scott Rausch, WA0VKC, researched the data and submitted it to ARRL for the BHARC renewal of its Special Serviced Club status.

There was a meeting of the Black Hills Subsection of the IEEE on 7 December at the School of Mines. Lab tours will be given, including the recently-upgraded RF and robotics labs. All local ham club members are invited. Scott Rausch, WA0VKC, who is a member of the IEEE local Chapter, organized this meeting.

Following are some of the activities from North Dakota. Chapter members Art Ekblad, K0QQ; Tony Aman, K7TNY; and our Chapter VP Bill Bosch, K0UB, took in the Totten Trail hamfest. There were some good items at the flea market. The Theodore Roosevelt Amateur Radio Club held their Christmas party at the Elks club in Dickinson ND. Tony, K7TNY; Leon Kirschmann, K0LU; and Bill, K0UB, were among the 78 people who attended. Bill, K0UB, and Tony, K7TNY, are among the Theodore Roosevelt ARC members who are preparing for their upcoming amateur radio classes, technician, and also a general class.

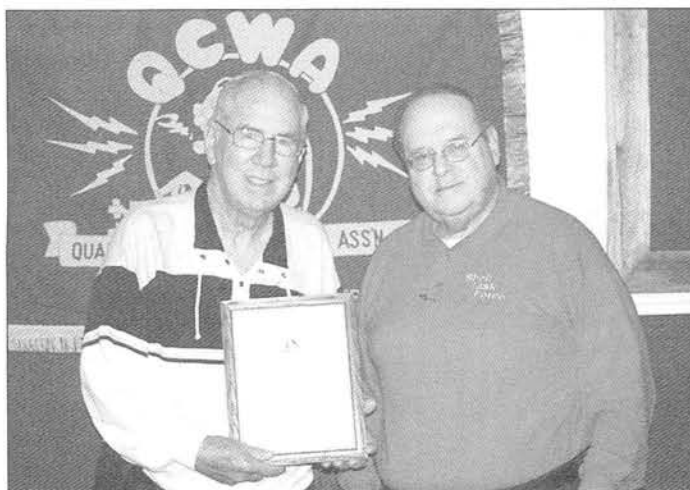
Frank Shaw NU0F, President

Chapter 109, Baton Rouge (LA)

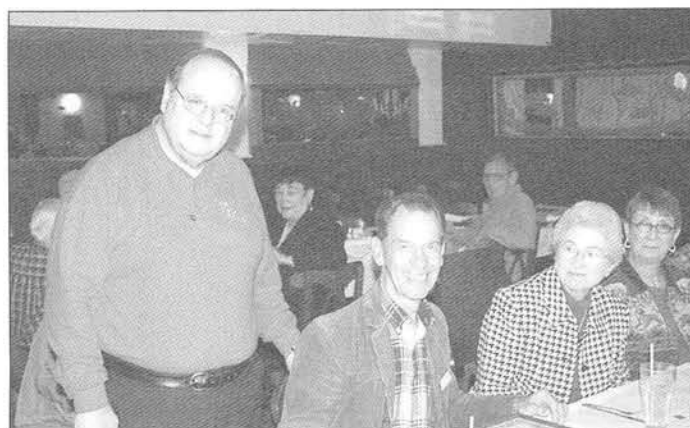
It was as if Santa Claus himself had visited the Baton Rouge Chapter 109 at our December 2, 2006, meeting at Don's Seafood Restaurant in Baton Rouge. Approximately 20 Chapter members along with numerous additional guests attended this meeting, the highlight of which was to recognize 8 Chapter members who had achieved both their Golden Certificate and the 50 Years of Continuous Licensing Awards. Congratulations and newly-framed Certificates went out to K5ANN, W5DUU, K1DW, K5EOA, W5GGG, KN5GRK, N5CBB, and W5KQ. Our president, K5EOA, presented Certificates to K5ANN and W5GGG. Our Vice President, W5XU, presented Certificates to K5EOA. Members who were not able to be physically present, either had their Certificates hand-delivered or shipped to their home address.

A short business meeting followed the Awards ceremony wherein the Chapter elected Officers for the next 2 years. K5EOA reluctantly agreed to serve one more term as our President. Our newest member, W5KQ, was recognized, and an announcement was made that we are losing N6SL who is moving to Ocala, Florida, this coming Spring. We expect and hope that Suwannee Chapter 62 will pick him up, as we shall sorely miss him.

"Doc", AC5IA, Secretary/Treasurer



John Webb, K5ANN (L) receiving his Awards from Wayne Gordon, K5EOA (R).



Wayne Gordon, K5EOA (L) presenting Awards to John Dupaquier, W5GGG (R).



Vice President, David Assaf, W5XU (R), presenting 50 Year and 50 Year Continuous License Awards to President, L. Wayne Gordon, K5EOA (L).

Chapter 112, Yankee (MA)

Chapter President, Bob Smith, KK3P, opened the meeting at our new meeting place, the Chateau Restaurant in Norton, MA. There was a moment of silence for the Chapter's SKs. Three of the Chapter's past and present

Secretaries attended the meeting: Woody, W1VYI; Chuck, K1IGD; and Janice, the current Secretary, K4IJK. Chuck, K1IGD, QCWA General Manager, briefly summarized the actions taken by the Board of Directors during the Board Meeting in Calgary in September. Thanks to Harry Ketler, W1DGD, for arranging the Christmas Party at the Chateau Restaurant. Tony, WA1ENO, ran the Yankee Swap for the guys and the gals.

Anne, WB1ARU, proposed to donate \$25.00 to the QCWA Scholarship Fund in memory of Bob Wallace, W1HH. Her motion was seconded by W1LDG. The meeting was adjourned.

Secretary, Janice Lentz, K4IJK

Chapter 119, Tidewater (VA)

December 5, 2006 Chapter 119 became officially known as QCWA Chapter 119, INC. Becoming a not-for-profit organization shields officers and members from 'nasties' that might arise out of our legitimate functions as an organization. We sought to protect our personal homes and (small) fortunes from overzealous legal actions that might result from our sponsorship and management of activities involving ourselves and/or the general public, i.e., luncheons and dinners, field trips, Field Day activities, and State, Regional and/or National meetings. By incorporating the Chapter, any attempts to attach assets ends with the Chapter itself and its meager treasury, and not with the personal resources of Officers and members.

The signal event in the past quarter involving Chapter 119 was the Holiday Gala held on Dec. 9th at the now closed C & M Cafeteria. Three local amateur radio organizations, came together to sponsor this event coordinated by Member Ron Young, W8RJI: USS Wisconsin Radio Club (BB-64), the Virginia DX Century Club (VADXCC),



Rich Siff, WA4BUE, receives a Chapter 119 Meritorious Service Award from Chapter Secretary, Vic Culver, W4VIC.



Vic Culver, W4VIC, presenting 70-Year Anniversary Award to Walt Honea, W4HM, as XYL Letha looks on.

and QCWA Chapter 119, Inc. In spite of some last minute time changes forced upon us, a nice turn-out ensued and everyone had a most enjoyable time. Short business meetings (very short) were conducted by each of the participating groups. Chapter 119 re-elected the current slate of Officers to a second term: President, Mark Palsha, K14VB; Vice-President, Al Crawford, WA4TCJ; and Secretary/Treasurer, Vic Culver, W4VIC. Chapter Operating Achievement Awards were presented for accomplishments in the two events 'adopted' as Chapter Operating Events – in the Virginia QSO Party, Jose Castillo, N4BAA, earned a certificate for High Score and Ron Young, W8RJI earned a Second Place certificate – and in the Spring QCWA QSO Party Operating Achievement Certificates were awarded as follows: Larry Boellhoff, W3MGL, Chapter High Score, Phone; Mark Palsha, K14VB, Chapter High Score, CW/Digital; and Vic Culver, W4VIC, Chapter High Score, Mixed Mode. Certificates for Meritorious Service to Chapter 119 were awarded as follows: to Bob Young, K4JDJ, NCS for the Chapter 119 HF Net, Tom Lawrence, N4ATV, Assistant NCS for the HF net; and to Walt "Sonny" Hood, K4WYS; Barry Priddy, K5VIP; Rich Siff, WA4BUE; and Vic Culver, W4VIC for service as Charter NCS stations on the QCWA Sunday Roundtable (VHF Net).

On Dec 14, Secretary Vic and NCS Rich journeyed to Greenville, N.C. to present the QCWA 70-Year Anniversary Award to Walt Honea, W4HM. Walt's lovely wife, Letha; his daughter, Gwen and her husband, Charles Estep joined us for lunch and the presentation. As we were in a festive mood, Rich's, WA4BUE Meritorious Service award was also presented at this time.

Your reporter apologizes profusely for the brevity of this report, forced by QCWA Board action. If you are

(continued on page 30)



Kick-off the **60th** Anniversary of the Quarter Century Wireless Association
in
Denver, Colorado
at the
2007 International QCWA Convention
4 - 7 October 2007

<http://qcwa-58.rmhcw.org/convention/>

H **HEADQUARTERS HOTEL:** The Doubletree Hotel, 3203 Quebec Street, Denver, CO 80207 - A block of single or double rooms are available for \$113.70 (\$99.00 + taxes). For reservations, call the Hotel toll-free at 1-800-222-TREE (8733) or 303-321-3333 (locally) and mention QCWA2007 for this special rate. The hotel has a complementary airport shuttle, restaurant, fitness center, high-speed internet, as well as many other amenities to help make your visit an enjoyable one.

A **CTIVITIES:** Informational and entertaining presentations and seminars on Friday and Saturday, including: Station Grounding Procedures, the QCWA Forum, Health and Safety Tips for the Shack, Amateur Radio Operations from the South Pole, an IARU Update, and much more! Friday night's Meet & Greet will feature The 4th U.S. Artillery Regimental Brass Band for your listening pleasure while you mingle. Check the web site to see the schedule as it develops.

T **OURS:** An exciting variety of tours and activities are available here in Colorful Colorado. Although difficult to choose what to highlight, your host Chapter has arranged an impressive selection for you including:

- **Thursday:** Bus tours to the Black Hawk and Central City Gambling Casinos, shuttle buses for shopping galore at one of Denver's newest shopping centers as well as the famous 16th Street Mall in downtown Denver,
- **Friday:** The Denver Mint and Wings Over the Rockies Air & Space Museum,
- **Saturday:** the famous Georgetown Loop Rail Road, and
- **Sunday:** A visit to the United States Air Force Academy, lunch at Colorado Springs' Garden of the Gods, topped (literally) with a trip to the summit of 14,110 foot Pikes Peak via the world famous Cog Railway (check your health and altitude precautions).

A **TTRACTIONS:** If our scheduled tours don't interest you, Colorado certainly has much more to offer... museums, zoo, parks, shopping, Rocky Mountains Majesty,... way too many to list. Check our web links for just a few of the many activities you can easily find and enjoy on your own.

S **OUVENIRS:** Be sure to get your QCWA 60th Anniversary commemorative pin, available NOW (see web site), or at a discount with your Convention registration. Many other collectable items will be available at the convention.

P **RIZES:** An assortment of drawings and door prizes are planned. We are grateful to our many sponsors and contributors who, with their support, are helping to make the QCWA 2007 Convention a memorable one, and kicking-off QCWA's 60th Anniversary year with a bang!

R **EGISTRATION:** Registration is available now! Use the Registration Form in this issue, or download it from the internet and print out a blank copy to complete by hand or fill it in on your computer to print a legible copy to mail with your payment. Your form and payment must be received through the mail to confirm your registration.



Y **OUR HOST:** Established on 11 November 1971, COLORADO CHAPTER 58, is proud to welcome you to **COLORFUL COLORADO** and our **ROCKY MOUNTAINS HIGH !**





60th Anniversary
QCWA INTERNATIONAL CONVENTION
4 - 7 October 2007
Denver, Colorado, USA
Hosted by:
Colorado Chapter 58
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Registration

Name: _____ Call: _____

Spouse: _____ Call: _____

Guest / Friend: _____ Call: _____

Youth (under 18): _____ Call: _____

Address: _____

City: _____ State/Province: _____ Country: _____ ZIP: _____

Telephone: () - _____ E-mail: _____

Cell Phone: () - _____ Staying at Hqtrs. Hotel? ☐ Yes ☐ No

Local Contact: _____

	Quantity	Cost	Total
Pre-registration (before 1 Aug 07)	@	\$20.00 = \$	
Registration (after 1 Aug 07)	@	\$25.00 =	
Spouse Registration	@	\$ 5.00 =	
Guest / Friend Registration	@	\$20.00 =	
Youth Registration (under 18)	@	\$10.00 =	
Friday "Meet & Greet"	@	\$24.00 =	
Saturday Banquet	@	\$45.00 =	
Friday Tour (Denver Mint/Wings Over the Rockies Aerospace Museum)	@	\$17.50 =	
Saturday Tour (Georgetown Loop Rail Road)	@	\$35.00 =	
Sunday Tour (Air Force Academy/Garden of the Gods/Pikes Peak)	@	\$95.00 =	
Commemorative 60 th Anniversary Convention Pin	@	\$ 5.00 =	
			TOTAL = \$

Make checks or Money Orders payable to "QCWA 2007 Convention" and send to: Jim Lewis WB0VYH,
Chapter 58 Secretary/Treasurer, 747 South Dearborn Circle, Aurora, Colorado 80012-3701

CHAPTER REPORTS

(continued from page 27)

interested in the news/commentary from Chapter 119 please send a note to the Chapter through HQ and I will add you to our weekly e-journal publications list. 73,

Vic Culver, W4VIC, Secretary/Treasurer

Chapter 120, Quarter Century Wireless Women, QCWW

QCWW is a unique Chapter in that it draws members from across the USA and Canada. We meet just once a year, at the QCWA Convention. We communicate via email and post our sYLver sparks newsletter on the Net. Our purpose is to have our members participate in QCWA events. To that end, we have a number of people who encourage us and on whom we depend. As I looked through the Winter Journal, I realized how true to our purpose we are. On the front page, you will find Blanche, W4GXZ, one of our founding members and still an active Chapter member, and Caroline, W0OUM. Caroline has been an active member of QCWA for many years. She and Blanche are currently Directors of QCWA. Turn to page 14 and you'll see Caroline described as Superham-of-the-month. As you read through the Chapter Reports, you'll recognize many of our members, who are active in their home Chapters as well. And then there's page 24, where you'll find a photo of George, VE3BNO, receiving his Presidential Award. On page 31, there's a photo of our executive and some of our strongest supporters. Are you getting the message? Our members are not only active, but they are very hard working. We know how lucky we are to have not only this support, but also that of Chuck, K1IGD, and Jan at head office, to keep us on the right track.

At our last meeting we decided to donate \$100 to help offset the projected operating deficit that QCWA expects to have in 2007.

As usual, we are revising our membership list. This seems to be an on-going project, but it's great to hear from you, so if you're a current or former member send us an email to let us know how you're doing. Our editor, Larry McCalvy, WA9JMO, can be reached at 5400 Six Mile Rd, Racine, WI 53402-9741 P. 262.639.7327, or at wa9jmo@wi.net. Also, you can email me at ve3hai@rac.ca. We do want to hear from you.

Ann Nutter, VE3HAI, Secretary

Chapter 126, Piedmont (NC)

The Piedmont Chapter 126 of QCWA held its quarterly meeting on Saturday, December 2, 2006 at the Yarborough's Family Restaurant in Lexington, N. C. There were 26 members and guests present.

After the Board meeting, the general meeting began at 12 noon with introductions by all persons present. After a great meal, Jack Emerson, W4TJE, presented the Nominating Committee's report for 2007. The members present unanimously accepted the recommendations, the current Officers and new Director, Wes Jones, WJ4DX. Butch Phillips, K4MGB, was introduced as our newest member. Visitors today included Hank and Selene Montgomery, K4HM, and KG4RMT respectively, from Fuquay Varina, NC; and Gary Pearce, KN4AQ, from Cary, NC. The Treasurer reported the Chapter has received thank you notes from the QCWA Headquarters Scholarship Fund on behalf of K4JO and from ARRL for



Group picture: December 2, 2006 Piedmont Chapter 126 Meeting at Yarborough's Family Restaurant, Lexington, NC.



Left to Right: Chuck Littlewood, K4HF, Chapter 126 President; Carl Moreschi, N4PY, Guest Speaker; Jack Emerson, W4TJE, Chapter VP; and Billy Stewart, WA4PVI, Chapter Treasurer.

our contribution to the 2006 Spectrum Defense Fund. W4DGJ's net report was read: average number of check-ins was 9.2; W4DGJ has 100% attendance with N4UH, W4TJE, K4HF, and KM4UO missing only 1 or 2 nets. The net meets at 3935 Khz at 8:45 AM local time on Saturdays. WB4DCM was the only Chapter 126 member that we know of that participated in the September QCWA QSO Party. We are proud to have two new Chapter 126 Life members: Joe Spears, AK1E, and Norman Robbins, W4HF.

VP Jack, W4TJE, introduced Carl Moreschi, N4PY. Carl gave a very interesting and educational presentation on his radio control software. Carl had his Ten Tec Orion transceiver that he controlled with his laptop computer. Carl handled several questions on the software. "Thanks Carl for a job well done" and taking time from a busy schedule to be with us. He was gracious to give us a door prize of a subscription of choice to his software and the lucky winner was Hank, K4HM. Billy, WA4PVI, won a new ARRL Handbook and Hank, K4HM, won a Dxr's ball cap.

After the program, Jack, W4TJE, volunteered to head up the Chapter 126 Charlotte Hamfest booth the weekend of March 17/18 as he has done before. Dave, ND4MR, agreed to help again and all members are welcome to help man the booth for a while or stop by and say hello.

Our thanks to Carolyn Stewart, WA4LPN, and Mary Jo Littlewood, K4MJL, for looking after our sign-in log and door prize drawings.

We were reminded that the National QCWA dues would increase January 1, 2007. Our Chapter dues may be remitted to Charles Swindell, WB4DCM. The next meeting will be sometime after March 11. Locations or program suggestions go to Jack, W4TJE. Meeting adjourned at 2:30 PM.

Charlie Swindell, WB4DCM, Secretary

Chapter 128, Pelican & 32, Gator (FL)

The annual Gator/Pelican picnic meeting was held on November 8 at the Seminole Lake State Park. The weather was breezy and a little chilly, but it was quite comfortable compared to what was happening up in the northern climes. We were pleased to have with us the President of QCWA John B. Johnston; Past QCWA Secretary, Alan Pickering, KJ9N, and West Central Florida SCM, Dee Turner, N4GD. After introductions, we wasted no time in lining up for the food; there is always more than we can eat. This year was no exception for there was a second entrée in addition to the fried chicken. Pelican Vice President Ron Hall furnished the entertainment....the long-awaited prize drawings. There were almost as many prizes as those present. The clubs showed their hospitality



(left to right) Ken Johnson, WA4TOP; John B. Johnston, W3BE; Ron Hall, KP2N; Chuck Dean, W4NHQ; Ed Chandler, W4NEO; Bill Bell, K4AVH & Walt Supina, N3WS.

by awarding one prize (ARRL gift certificate) to President Johnston. Alan Pickering appropriately won a set of allen wrenches.

Walt Supina, Secretary Pelican Chapter

Chapter 146, Twin State Chapter (NH)

The Twin State Chapter had their Holiday meeting on Saturday, December 9, 2006, at Papagallos' Restaurant in Keene, NH. The Restaurant allowed us to order off the menu and the food arrived hot and delicious. We had a very nice room decorated in holiday finery.

We had 23 members and friends attend this meeting. We had our sister Chapter represented, namely, The Pioneer Chapter, in attendance as well. All of the contingence from that Chapter are now also members of the Twin State Chapter. Thank you all for coming and making this event so successful.

After the luncheon, the group had a Yankee Swap exchange of gifts with Cheryl, WA1WEY, picking number one. After all the exchange was done, there was only one exchange of a gift. All other gifts were kept by their original owners.



Left to right: Dick Stevens, W1QWJ; Chris Craig, KB1NBN; and Allen Tinker, W1AAT.

We also had a very unique demonstration of a Lego train built for exhibition by KB1NBN, Chris Craig. He had a piece of white cardboard that he placed on the floor with a large black line on it. The Lego train followed the line. He told us he programmed the train to follow the line. Nice job, Chris.

Notices:

1) Our Chapter along with the help of Pioneer Chapter will again hold the NE Chapter joint meeting in July of 2007 at the Mt. Tom Recreation Facility. Further information to follow in the next Journal.

2) Our Spring meeting will be held on April 21, 2007, Saturday, in Charlestown, NH beginning at 11:30 at the Charlestown Heritage Restaurant. All are welcome. Don't forget our Sunday morning net on 3.912MHz at 8:30AM and our Thursday night net on Mtn. Ascutey repeater 146.76 MHz in Windsor, VT. at 7:00PM. May the New Year find peace, happiness and good health to you all!

Cheryl Breuning, WATWEY, Secretary

Chapter 149, Nutmeg (CT)

The QCWA Chapter 149 held its November 11, 2006 meeting at the Paulo's Restaurant in Rocky Hill, Ct.

Al, W1FXQ, our President, called the meeting to order at 12:15. We had 33 members and guests present. We all gave self-introductions and then Al gave the invocation and also a reading to honor our Veterans on Veterans Day.

We had a very nice buffet, with plenty of food, and some of us took home a doggie bag. We also had Wayne's son Tom, W1HWY, who was here from Minn. Also Howie, W1CL, from Vt.

Tony, W1CGI, read the Secretary's report, and Gary, K1MQ, gave the Treasurer's report. Both were accepted as read. Our guest speaker Joel, N1VKE, showed computer pictures of amateur radio hams during WW-2, which was very interesting. Paul, K1AFI, expounded on the proximity fuse, which made a big impact on the war. After the speaker we had our raffle with many nice gifts. Eileen, W1NYC, and Gary, K1MQ, will provide the gifts for our next meeting to be announced. The meeting adjourned at 14:00 hours.

Tony Perrone, W1CGI, Secretary

Chapter 151, Wild Rose Alberta (AB)

As Chapter 151 was host to the 2006 QCWA International Convention, from September 28th to 30th, 2006, no Fall meeting was held. The present Executives

will remain until the Fall 2007 meeting. The next luncheon meeting will be held on April 28th, 2007. For updates on the program, visit the Chapter 151 website at <http://www.obsd.com/qcwa-chapter151>

The Southern Alberta Repeater Association (SARA) hosted the Calgary Flea Market on October 28th, 2006 with 185 in attendance. QCWA Wild Rose Chapter 151 set up a table that was visited by many of those coming by. The next SARA Flea Market will be in Edmonton on February 3rd, 2007, at the Yellowhead Inn. If the weather cooperates, QCWA Wild Rose Chapter 151 plans to have a table set up to recruit new members.

A detailed report on the QCWA International Convention for 2006 can be found in the QCWA Winter Journal - 2006.

Jack Ambler, VE6CAQ, Secretary

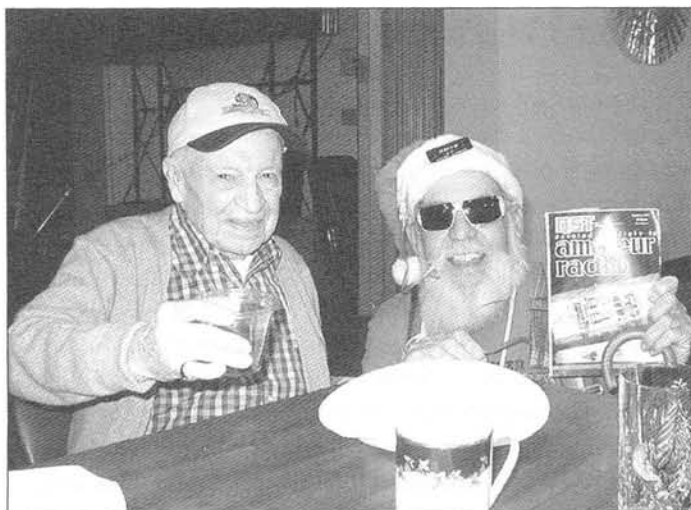
Chapter 154, Leo Meyerson, Greater Palm Springs (CA)

Leo Meyerson, W0GFQ, our Chapter namesake, returned to the area on December 2, 2006, from his Summer home in Omaha. We are blessed to have him with us for another season of ham radio activities.

Leo and Abigail arrived only a few days before the annual Coachella Valley all-club Holiday party. The photo shows Leo and A.C. Fulcher, N4SVD, just after Leo autographed a WRL advertisement in the October 1954 issue of QST. N4SVD also supplied the evening's entertainment.

This Summer, Bob Monian, W6FD, a long-time member of QCWA and Chapter 154 became a SK. We shall all miss Bob.

Gene Pentecost, W4IMT, President



Leo Meyerson, W0GFQ, and A.C. Fulcher, N4SVD

Chapter 169, Sacramento Valley (CA)

Chapter 169 continues to meet monthly at Carrows Restaurant located at 2800 J Street in Sacramento, CA. The Restaurant is in the downtown area westerly of the Interstate 80 Freeway. There is plenty of adjacent parking. Meetings are held on the second Wednesday each month.

We try to have a speaker for each of our monthly meetings. The last quarter featured:

- George Antz, W6EAG, Marcia Rast, K6DLL, and Tom York, N6DFL, talking about their Amateur Radio experiences throughout the years.
- A video produced in the eighth District entitled "Wonderful World of Amateur Radio".
- A video about the VP8SSI DX-pedition to South Sandwich Island.
- A video about rafting the Colorado River section of the Grand Canyon in Arizona.

Come join us at 9:00am. Troops start gathering at 8:00am for the no-host breakfast. YLs are always welcome. For further information please contact our President, Paul Wolf, W6RLP at (916) 489-8112.

Gary Stilwell, KI6T, Secretary/Treasurer

Chapter 196, Edison (FL)

Edison Chapter 196 in Fort Myers, Florida, has had an active Fall. We were host to several out-of-town members at our luncheons. Larry McCalvy, WA9JMO, gave our group a heads-up account of the latest QCWA Convention.

Gene Bradfield, K0TIW, and xyl Katie, KBODKD, came all the way back from their new home up north to visit with us again before they went on yet another cruise. They always forward Chapter member photos and commentary about their most recent ventures.



(l) Gene Baber, W8SZU, was our third recipient of a 50-Year Certificate, being presented by Tad Burik, K3QC.

Dave Penezic, WA4GUK, made a presentation about our local ARES and RACES group that was most informative. Dave has been the EC for Lee County during some severe storms.

Bob Speck, W4MPJ, has provided this Chapter with a robust biography of his first 50 years in amateur radio. Bob was a professional engineer and also played a vital part in saving the 160-meter band years ago. Bob was one of three recipients of a 50-Year Certificate this Fall.

Larry Zimmer, W4LWZ, recently became active with our Chapter and he too was presented with a 50-Year Certificate. Larry is very active with teaching and VE testing in Lee County.

Then we have Gene Baber, W8SZU, who is a dear friend and neighbor of mine. Gene was our third recipient of a 50-Year Certificate for outstanding, admirable, noteworthy, courageous and most exemplary amateur radio service. Gene was not available for his historic award presentation at a luncheon so we had to catch him outdoors between fishing trips and overseas travel.

Tad Burik, K3QC, President

Chapter 213 Fresno (CA)

Ken Cexton, K6LFR, became a Silent Key after a series of illnesses. Our Chapter continues Monthly meetings with good attendance. Our meetings are at Carrows, 4280 N. Blackstone in Fresno at Noon on the 4th Tuesday of the month. We conduct a net on the WQ6CWA repeater, 146.25/85 repeater pl 141.3 at 7:30 PM local time on the Monday evening before the Tuesday meeting. Due to the time constraints of members having to return to work, our meetings are very informal. Officers for 2007 are President, Pat Fennacy, W6YEP; Vice President, Paul



(l to r) Fran and Larry Zimmer, W4LW; Tad Burik, K3QC; Bob Speck, W4MPJ and his XYL.

Sullivan, W6VPs; Secretary/Treasurer, Charles McConnell, W6DPD; and Directors, Perry Foster, K6XJ, and Jim Erbe, WA6NIF. We welcomed new member Dan Pruitt, AE6SX.

Charles McConnell, W6DPD, Secretary/ Treasurer

Chapter 214, Bluegrass (KY)

Much has been happening with the Bluegrass Chapter over the past few months. Attendance at the 2006 Huntington, WV and Lexington, KY hamfests resulted in quite a few new members, and a good time by everyone. The Chapter also took part in Field Day 2006 with the River Cities Amateur Radio Assoc. in Ashland, KY, and enjoyed several meetings over the early Fall to December 2006. 2007 looks like another active year for the Chapter. In January the Chapter hosted an Amateur Radio Class for newcomers and Technicians that wished to upgrade. The attendance was outstanding with 22 people attending the classes until March 8, 2007. The Chapter wants to thank Bob, WA8UYA; Dave, KZ4G, and Matt, AA8P, for teaching the classes. March 10, 2007 saw the Chapter VE Team have a test session at the Central Fire Station in Ashland, KY.

In late 2006 Officers were elected for 2007. Dave, Vest, KZ4G, was elected President, and Matt Tinker, AA8P, was elected Secretary. The membership of the Chapter grew in 2006, with the addition of Roger Blevins, NZ4L; Bard Blatt, WA8TSS; Chuck DeSantis, K8CR; Harvey Frye, AA4HF; Fred Jones, WA4SWF; Joe Miller, K4DZM; Matt Muckler, KY4M; and Glen Petri, WA4CSH. We look forward to growing membership in 2007.

Our new Chapter Banner was secured by Dave Vest Jr., K8DV, and was proudly displayed at the 2006 Hamfests and activities, and will again be out there in 2007. Meetings are scheduled for February and March 2007, with plans in the works for the upcoming hamfest season, Field Day 2007, and hopefully, a Chapter picnic at the Lexington, KY hamfest. Plans are progressing for the new Chapter website, and we hope to have the Bluegrass QCWA net online in 2007 either on 40 or 80-meters. This past Fall Chapter members took part in the QCWA QSO Party, and everyone had a good time.

Anyone wishing to join the Chapter give Dave Vest, KZ4G, or Matt Tinker, AA8P, a call.

Matt Tinker, AA8P, Secretary

Chapter 217, The Villages (FL)

QCWA Chapter 217 had two meetings since our last report. Our meeting of November 9 was made exception-

al due to the visit of President, John B. Johnston, W3BE, and his first lady Elizabeth, N3PKX, who shared many fond memories with us. It was a joy to have them visit.

Our second meeting was held December 14 where each participant shared their most memorable event in Amateur Radio. We also discussed future meeting themes and set our Chapter dues at \$5 per year to give us a small treasury to cover the cost of our meetings. We have had the pleasure of having a total of seven new Chapter members in the last year.

We meet at the Veranda Cafe at 1000 Lake Sumter Landing in The Villages on the second Thursday of each month at 11 AM. We hope to see everyone at our next meeting.

Dick Mondro, K4FQT, Secretary



Members of Chapter 217 at their meeting at the Veranda Cafe.



Vertical Antennas for Mobile and Portable Applications - Mainly HF

By David Con, VE3KL

Note: This article uses TCA HotLinks to provide access to enriched media from the RAC website. For more information, please go to www.rac.ca/tca.

Introduction

I recently received an e-mail from Jim Dean, VE3IQ, asking me about the $\frac{1}{2}$ vertical antenna and an antenna question on the RAC amateur radio question bank: What is the main reason why so many VHF base and mobile antennas are $\frac{1}{2}$ of a wavelength?

This article discusses that question and extends it to mobile HF antennas where coil loaded verticals, ScrewDriver and Hamstick antennas are used on a vehicle. More importantly, it shows how to confront the grounding problem associated with all mobile and portable antennas. Two HF mobile/portable antennas are given as examples. Although the examples used in this article are very short 40 and 20 metre HF mobile antennas, the basics apply to VHF and UHF frequencies as well.

As usual, the proper installation of your antenna system is far more important than the selection of antenna type. There are many more factors to consider other than the gain. For example, the $\frac{1}{2}$ wavelength monopole antenna promises a 3 dB gain increase over the $\frac{1}{4}$ wavelength antenna. However, when everything is considered including matching, copper and ground losses, the differences get smaller. The $\frac{1}{4}$ and $\frac{1}{2}$ wavelength antennas will usually have a gain that only differs by about 1 dB.

In some special cases, the $\frac{1}{2}$ antenna might perform a little better due the fact that it is higher and will not be as adversely affected by near-by objects as shorter antennas.

Background

There are many vehicle mounted antennas that we see on a daily basis ranging from small vertical whips used by taxis to the use of crank up towers used by some amateurs who have small and not so small trucks and recreational vehicles. Most of our applications fall somewhere in the middle. An example is the use of a 20 metre Hamstick antenna that is about two metres long.

There are many reports on vertical antennas that are mounted over real grounds. W4RNL has an extensive discussion about these antennas. See TCA HotLink, 1 for a complete discussion of the problem. He discusses many applications ranging from HF to VHF.

How Well Do These Antennas Work?

Surprisingly, there are very few measurements in the literature that compare these antennas with respect to gain or impedance matching. The impedance is easily measured but we have to rely on simulations to get a measure of the gain. Some people are skeptical about the simulations but it the best thing that we have at HF and VHF due to a lack of antenna test ranges. For this article, I rely on measurements for the impedance values and simulations for the gain and far-field patterns.

How Do We Deal With Grounding?

These small antennas can work well if they are supported by proper RF grounding and isolation. The purpose of feeding power to the antenna through a proper transmission line and grounding system is to isolate the antenna elements from the rest of the system and to get the most amount of power into the elements as possible. This results in minimizing RF in the operating area, microphone bite, flashing lap top displays, and other unwanted feed back mechanisms. There are only two places where you want to have RF currents:

- On the element wire itself and
- On the Vehicle roof or other well defined grounds: but not both

There should be no radiating currents flowing on other items such as on the outer sheath of the coaxial cable or on any transceivers or microphones. Once the system is well designed, it is advisable to use a safety ground that is a wire connected from the transceiver chassis to real ground. Of course, the best safety measure is to shut down your system well before electrical storms get close. See the NCAA Guideline 1D, TCA HotLink, 6 for details on personal lightning protection.

This is where the Balun does its work.

The block diagram of the general system is shown in Figure 1. The antenna system consists of a vertical antenna such as a simple Hamstick or VHF monopole that is connected to the ground plane of the antenna with the use of a fairly large magnetic mount. The system ground is the vehicle roof that is "floating": the roof is not connected to a physical ground. The magnetic mount forms a large capacitor between the antenna and the roof. No wires are needed to connect the outer conductor of the feed line coaxial cable directly to the vehicle roof. In fact, this will potentially ruin the ground by causing a resonance between the magnetic mount capacitance and the wire inductance.

A very high quality choke/Balun must be used to assure that RF waves do not travel back to the transceiver. If it is not used, the impedance as seen by the transceiver will be very poorly defined making operation very difficult, especially at high power levels. A Balun can be designed using my Coil Calculator found in the TCA HotLink, 4 of this article. If you prefer to wait until the next issue of TCA, I will be presenting detailed handbook information on Balun construction for the HF and VHF bands at that time. The Balun should be mounted as close to the antenna as possible. For HF applications, it is acceptable to mount it in the trunk of the vehicle.

Two of the most important considerations for the proper use of the antenna are:

- Use a *single* grounding method such as magnetic mount or a physical wire connected to the vehicle roof but not both.
- Use a Balun to provide good isolation between the radiation system (antenna and roof) and the rest of the radio system.

What About Impedance Matching?

If the antenna is not well matched, an antenna tuner should be used as shown in Figure 1. In my case, a tuner is not necessary because the 20 metre Hamstick that I use in combination with the magnetic mount provides a very good match close to 50 Ohms

Antennas that have impedance levels near 50 Ohms offer a great advantage over more complex antenna systems and can be matched very easily with low loss tuners. For example, a typical one quarter wavelength monopole mounted over a real ground will have an impedance very close to 50 Ohms at resonance while the five eighths wavelength monopole has an impedance of approximately $65 - j 227$ Ohms. The matching required for the five eighths wavelength antenna using lossy tuners will just about cancel the expected increase in gain over the $\frac{1}{4}$ wavelength monopole antenna.

If you plan to use a commercially made automatic tuner, check the specifications before you purchase one. Make sure that it is the correct type (coaxial output) and can meet your SWR needs.

The Basics

"The $\frac{5}{8}$ -wavelength vertical monopole provides about a 3-dB gain advantage over the $\frac{1}{4}$ -wavelength vertical monopole". This statement of theory is based on mounting both antennas over a perfect ground and that all wire and coil losses equal zero. Results change when we consider real ground models.

The $\frac{1}{4}$ Wavelength Vertical Monopole with a Perfect Ground

First, consider the performance of an ideal $\frac{1}{4}$ wavelength vertical

antenna, 14 MHz, mounted over a perfect ground. The elevation plot of this antenna is given in Figure 2. Notice that the maximum gain of the antenna is 5.18 dBi and that this gain occurs at an elevation angle of zero degrees. It does not radiate vertically. This analysis applies to all frequency bands including VHF and UHF since the performance of ideal antennas only depends on the length in wavelengths.

The SWR plot, Figure 3, shows a minimum SWR of 1.38 and a 2:1 bandwidth of approximately 1.2 MHz. The center frequency is 13.55 MHz and the bandwidth is 8.9 percent. Keep this in mind when measuring the bandwidth of your antenna. If the measured bandwidth is much greater than 9%, there are significant losses associated with your system.

The $\frac{5}{8}$ Wavelength Vertical Monopole with a Perfect Ground

Now consider the performance of an ideal $\frac{5}{8}$ wavelength antenna. The elevation plot is shown in Figure 4 where the maximum gain of 8.08 dBi occurs at an elevation angle of zero degrees as before but now a second high angle lobe appears at an elevation angle of 57 degrees with a gain of -0.68 dBi. The maximum gain is 3 dB above the $\frac{1}{4}$ wavelength antenna.

The corresponding SWR plot is shown in Figure 5. The antenna is highly capacitive. It needs a large loading coil and an antenna tuner to match the system to 50 Ohms. The 2:1 SWR bandwidth is only 0.5 MHz after matching as compared to the $\frac{1}{4}$ wavelength antenna.

The Real Situation...Antenna Mounted Over a Lossy Ground

To demonstrate effects of mounting vertical antennas on a vehicle roof, I have assumed that a small metallic vehicle roof in conjunction with a real medium ground surrounding the vehicle produces a good overall ground conductivity of 0.1 Siemens. If the vertical antenna is mounted directly over a medium ground, the antenna performance will be much worse. However, the trends are similar. Keep in mind that the simulations presented here only show the trends at HF and will be less accurate at VHF/UHF due to many unknowns such as the shape of your vehicle and the ground conductivity. This is a complex poorly defined environment.

The $\frac{1}{4}$ Wavelength Vertical Monopole

The elevation plot of the $\frac{1}{4}$ wavelength Vertical antenna mounted on a vehicle roof is shown in Figure 6. Notice that the gain has lowered from the ideal case of 5.18 dBi to 0.38 dBi, a loss of 4.8 dB. Also, the maximum gain now occurs at an elevation angle of 20 degrees. The lobe shape remains unchanged. The impedance increases to nearly 50 Ohms.

The $\frac{5}{8}$ Wavelength Vertical Monopole

The $\frac{5}{8}$ wavelength antenna does not behave as well when mounted on a vehicle roof. The elevation plot is shown in Figure 7. In this case the maximum gain at an elevation angle of 10 degrees is only 1.43 dBi. The gain is only 1 dB over the $\frac{1}{4}$ wavelength antenna. Notice the very large lobe at 55 degrees is only 2.7 dB below the main lobe. This accounts for the large loss in maximum gain. The antenna resistance has increased to 109 Ohms making it difficult to match.

Antenna Measurements My Portable System

My experimental 40 and 20 metre system is shown in Figures 8 and 9. The 40 metre antenna is a Hustler coil loaded mobile antenna (Borrowed from VE3BYT for testing). The 20 metre antenna is a PHF-20B PRO-AM monoband HF Mobile Antenna. Both antennas have the same physical length of 2.2 metres. Hence, the 40 metre antenna is much shorter when measured in wavelengths. Its efficiency is expected to be much less than the 20 metre antenna.

In both case the antennas are mounted on a very large magnetic mount PRO-AM (MM3401) consisting of three five inch magnets. These magnets provide a large capacitance so the antennas can be easily used down to the 40 metre band and perhaps lower without resorting to physical ground connections.

The portable system, Figure 8, is powered from a 22 Amp Hour Gel cell battery. It includes an antenna, Balun and coaxial cable feeding a Yaesu FT 857 100 Watt transceiver. The system is tuned for the CW portion of the 40 or 20 metre bands. Figure 9 shows the details of the Balun and antennas. The Hustler antenna is loaded with a single center located coil while the PRO-AM antenna is a hamstick type antenna with continuous helix loading and a small coil.

Measurement Results

Both antennas were measured with an MFJ antenna analyzer to obtain the SWR and resistance as a function of frequency with the Balun in place and no tuner connected.

20 Metre Antenna Measurements

The SWR and input resistance of the 20 metre Hamstick are shown in Figure 10. The resistance is normalized to 50 Ohms so a point on the graph where the resistance equals 1 represents a load of 50 Ohms.

The results indicate that the antenna can be used without the need for an antenna tuner for the low part of the band without changing the antenna length. My favorite frequency range is between 14.000 and 14.075 MHz. The antenna can be used over

the complete 20 meter band if an antenna tuner is used. Hence, the Hamstick functions very much like a $\frac{1}{4}$ wavelength monopole except that there are some extra losses associated with matching and copper losses.

An estimate of the antenna efficiency requires a more detailed analysis but due to the antenna size, it is expected to have poor efficiency due to ground, copper and matching losses.

A preliminary estimate shows that its efficiency will be less than 25%.

With the Balun in place, there are no significant RF fields on the coaxial feed line.

40 Metre Antenna Measurements

The SWR and input resistance measurements of the Hustler antenna are shown in Figure 11. The antenna has an SWR 2:1 bandwidth of approximately 75 KHz as seen in the figure. The antenna can be used with an antenna tuner from 7.00 to 7.100 but needs to be adjusted in length for higher frequencies. The performance of this antenna is similar to the Hamstick but does show a different resistance curve. Because this antenna is much shorter in wavelengths than the 20 metre antenna, its efficiency is expected to be even lower.

Field Tests

The 20 Metre system has been tested (Figure 8) with good results using my Yaesu FT-857 transceiver and no antenna tuner. The first set of tests were conducted at the Nepean Sailing Club, Nepean, Ontario which has a good propagation view for Europe but not so good noise levels, S4, due to near by automobile traffic. On June 6, 2006 when the solar conditions were not good (Number of Sunspots = 17, SFI = 78, A Index = 5 and K Index = 1), the following QSO's were easily made:

- GU4CHY in Guernsey, UY5UV in Kiev, OT7T in Belgium and EA3AQS in Spain.
- The overall band conditions were quite good with many excellent received signals in the S7 to S9 levels. The band was very active at that time with lots of QRM to contend with, a good sign.
- I gave S6 to S9 reports and received S3 to S9 reports.

Further Study Using TCA Hotlinks

Further information is provided via TCA hotlinks which are easily accessed via the RAC website. For this information, please visit [http:// www.rac.ca/tca](http://www.rac.ca/tca). Hotlinks make it unnecessary to type URL addresses into your computer and provide you with calcula-

(continued on next page)

(continued from page 37)

tors and other support that demonstrates the ideas presented in the articles. The following hotlinks for this article are available on the RAC site.

TCA HotLink, 1

Discussion and simulation of Vertical Antennas:HF and VHF
<http://www.cebik.com/gp/58.html>

TCA Hotlink, 2

The Hamstick Folks: "When these mobile HF antennas were first introduced by WD4BUM, they created quite a stir."
<http://www.hamstick.com/9106.htm>

TCA HotLink, 3

Some Plain Facts about Multiband Vertical Antennas
<http://www.arri.org/tis/info/multibandvert.html>

TCA HotLink, 4

General Coil Calculator by VE3KL. Can be used to design Choke type Baluns. <http://www.rac.ca/tca/tcacalculators.htm>

TCA Hotlink, 5

WM7D's Solar Resource Page
<http://www.wm7d.net/hamradio/solar/index.shtml>

TCA Hotlink, 6

NCAA Guideline 1D for Lightning Safety
<http://www.nssl.noaa.gov/mag/ncaa.shtml>

Conclusions

This article discussed the performance of vertical antennas for portable and mobile applications that ranged from $\frac{1}{2}$ wavelengths down to 0.05 wavelengths in length. It also discussed the proper method of connecting the antenna to roof mounted systems. The mounting method is extremely important as it is paramount that the transceiver and other items are not hot with RF. A good Balun remedies this problem in all cases that I have studied. Of course there are many complex situations where it is difficult to establish a good local ground and these cases must be studied with considerable care. One situation is the operation from an RV that is constructed from fibre glass (including the roof) where a good local ground does not exist.

Dave's Potpourri

It is quite interesting to study the Sunspot, K index and solar flux raw data as we emerge from the bottom of cycle 23. TCA HotLink, 5 contains daily updates and you will be surprised how many good conditions have occurred lately.

Have you ever wonder why you occasionally hear real S8 signals from DX stations that are about half way around the world from your location? If you use my Received Power and Path Loss Calculator on the TCA page, you can find the answer.

For example, consider transmitting 100 Watts into a 10 dBi gain Yagi antenna and receiving a signal with another 10 dBi gain Yagi antenna at a distance of 20,000 Km (half way around the world). The received level under perfect mirror like ionospheric reflections is 1.61 dB over S9, -71 dBm, or 60uV. The Path Loss is only 141 dB. Of course, this situation is rare but it is very common to receive S7 signals in Ontario from VK and ZL locations with good propagation conditions.

Acknowledgements

I wish to thank members of the QCWA Chapter 70 in Ottawa for many valuable discussions about vertical antennas and for their assistance in this project with the loan of antennas and test equipment: Jim Dean, VE3IQ; Doug Leach, VE3XK; Graham Ide, VE3BYT; and Ben Price, VE3CDA.

Until later, VY 73, David, VE3KL

DIAGRAMS FOR THIS ARTICLE CONTINUE ON THE FOLLOWING PAGES.

System Block Diagram

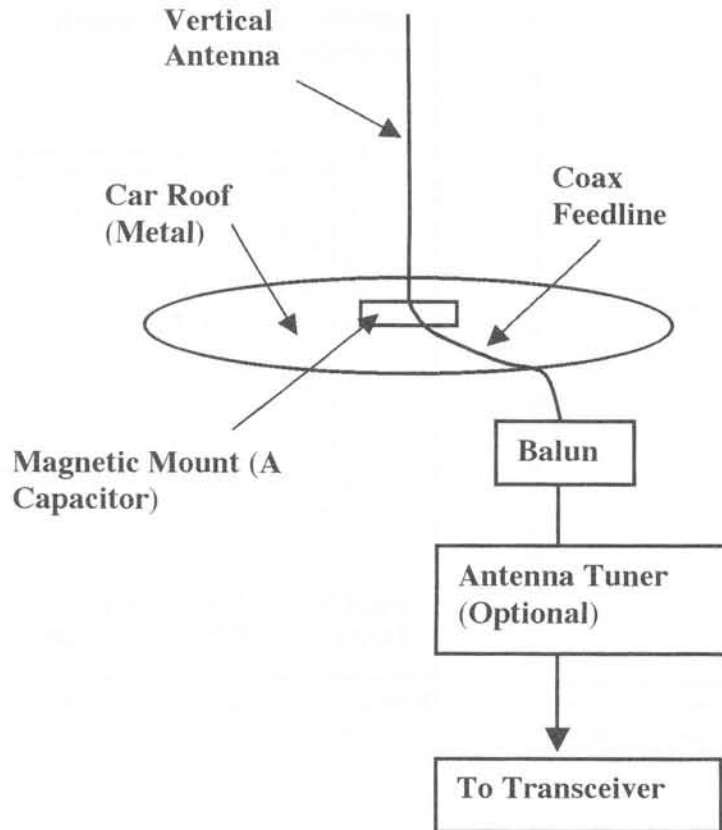
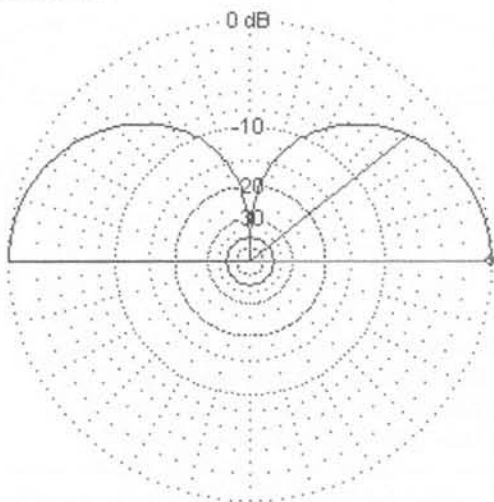


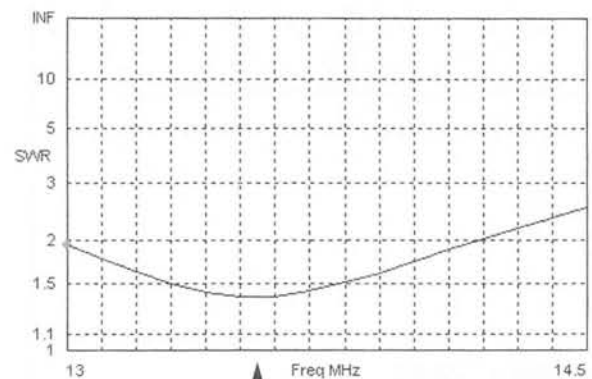
Figure 1. Antenna System Block Diagram. Car roof used as the system ground. The Balun isolates the tuner and transceiver from the radiating system.

Elevation Plot ¼ Wavelength Monopole Perfect Ground



Antenna Gain = 5.18 dBi
Maximum Gain at Zero Degrees Elevation

SWR Plot ¼ Wavelength Monopole Perfect Ground



13.55 MHz Minimum SWR 1.38 @ 13.55 MHz
Very Easy to Match

Figure 2. Elevation Plot ¼ Wavelength Monopole Perfect Ground

Figure 3. SWR plot of the ¼ Wavelength monopole antenna mounted over a perfect ground.

**SWR Plot $\frac{5}{8}$ Wavelength Monopole
Perfect Ground**

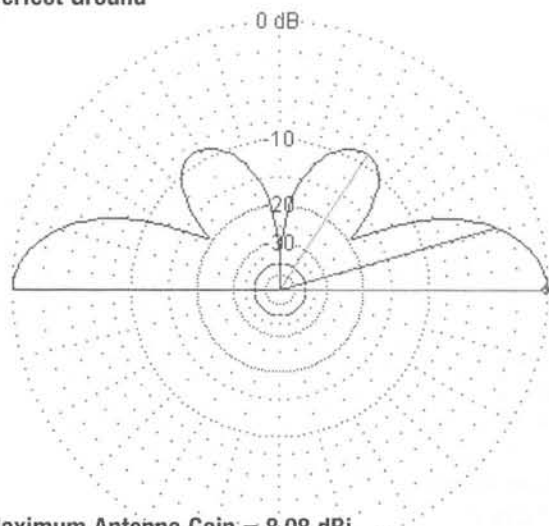


Figure 4. Elevation Plot of $\frac{5}{8}$ Wavelength monopole antenna mounted over a perfect ground. Notice the minor lobe and the higher gain as compared to the $\frac{1}{4}$ Wavelength antenna.

**SWR Plot $\frac{5}{8}$ Wavelength Monopole
Perfect Ground**

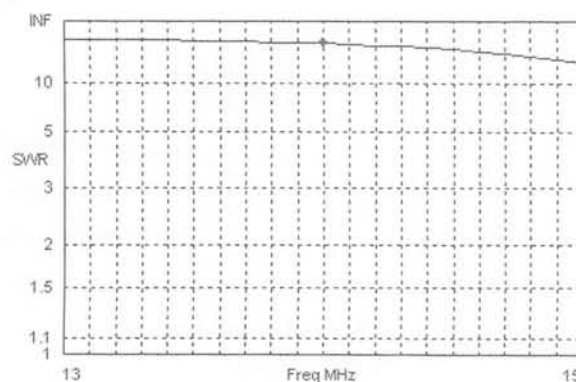


Figure 5. SWR Plot of the $\frac{5}{8}$ Wavelength monopole antenna mounted over a perfect ground

**Elevation Plot $\frac{1}{4}$ Wavelength Monopole
Real Ground**

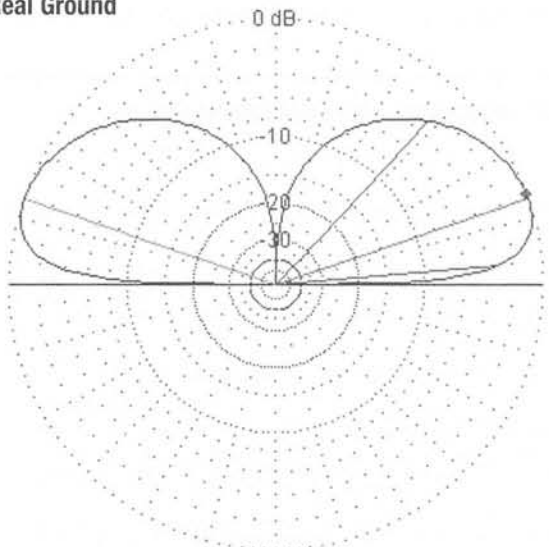


Figure 6. Elevation Plot of the $\frac{1}{4}$ Wavelength antenna mounted over real ground. A maximum gain of only 0.38 dBi occurs at 20 degrees.

**Elevation Plot $\frac{5}{8}$ Wavelength Monopole
Real Ground**

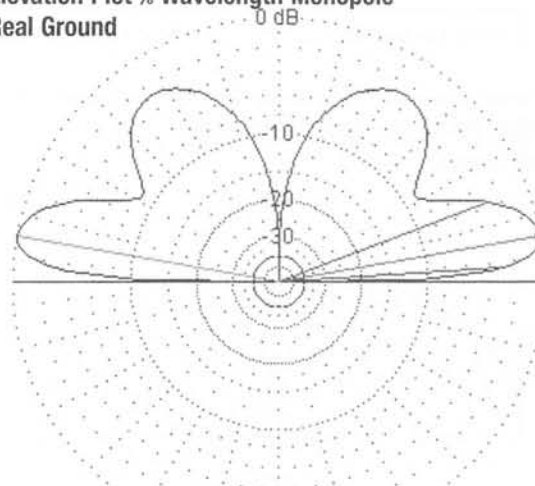


Figure 7. Elevation Plot of the $\frac{5}{8}$ Wavelength antenna mounted over real ground. A maximum gain of only 1.43 dBi occurs at 10 degrees. The minor lobe has increased in magnitude and is only 2.7 db below the main lobe.

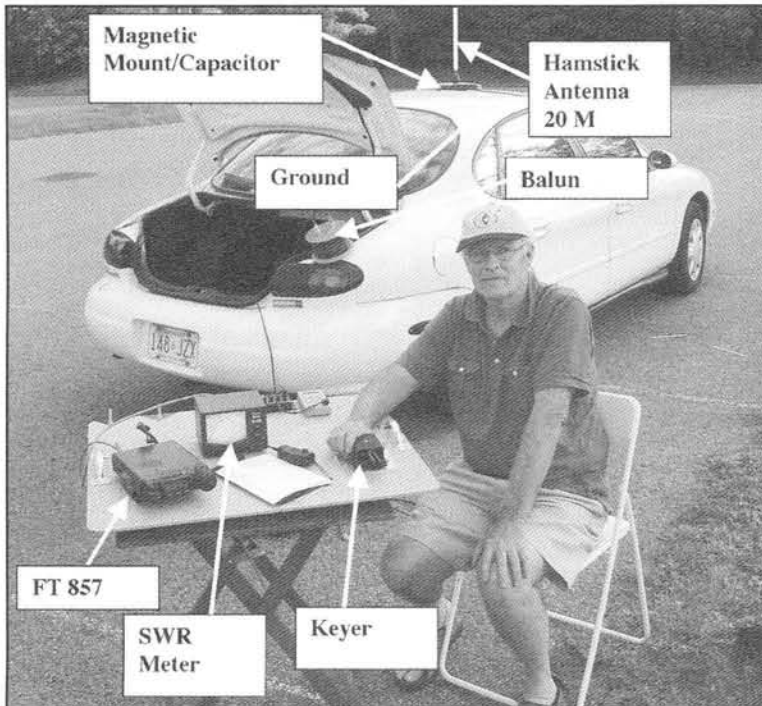


Figure 8. Photograph of VE3KL and the portable system powered from a 22 Amp Hour Gel cell battery for very low noise operation.

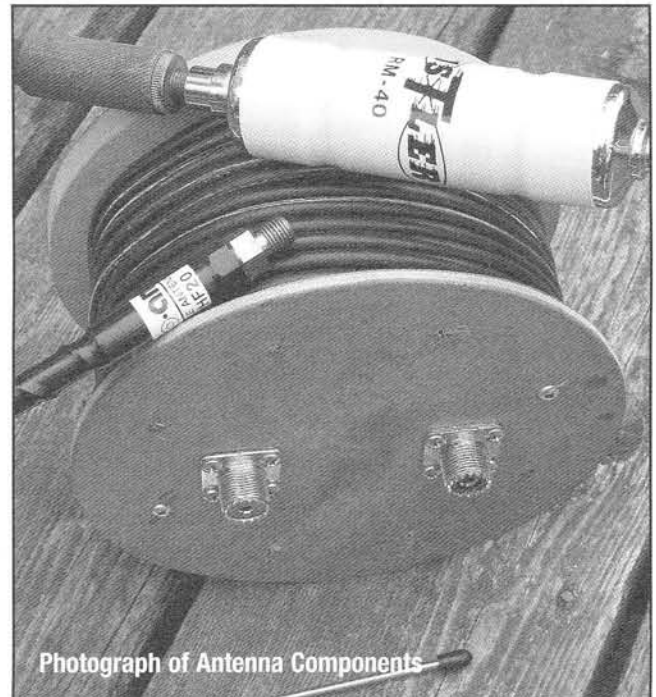


Figure 9. Photograph of the antenna components used in the system. The balun is approximately six inches in diameter with 12 turns of RG8-X. The Balun is optimized for use in the 20 metre band but can also be used less effectively for 40 metres. It is important to use RG8-X if you plan on building this Balun.

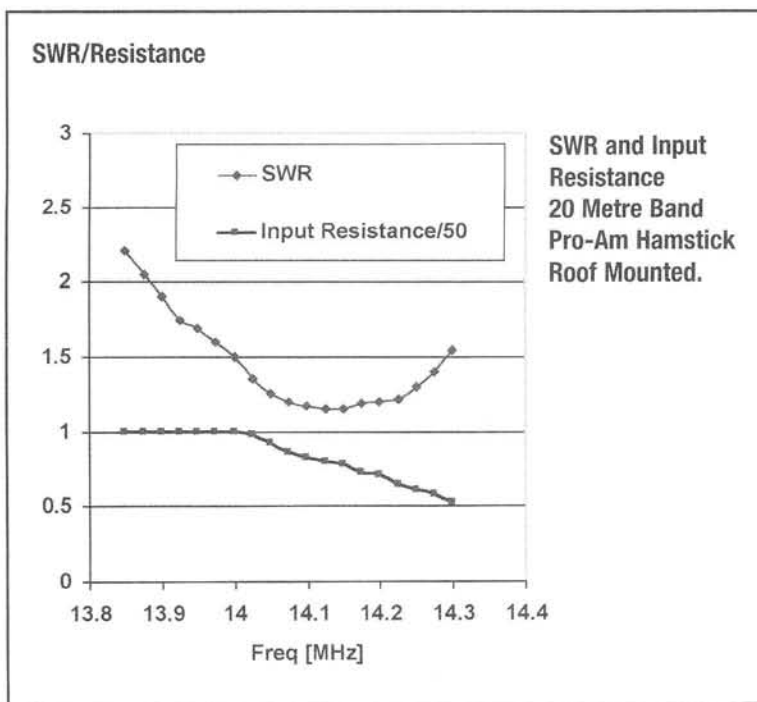


Figure 10. SWR/Resistance plot of the 20 metre Pro-Ham hamstick antenna. The performance is excellent from 14 to 14.1 MHz, the lower portion of the 20 metre band. It can be used with ease over the entire 20 metre band with a simple antenna tuner as the measured SWR is less than 1.5:1 over all but the last few KHz of the band.

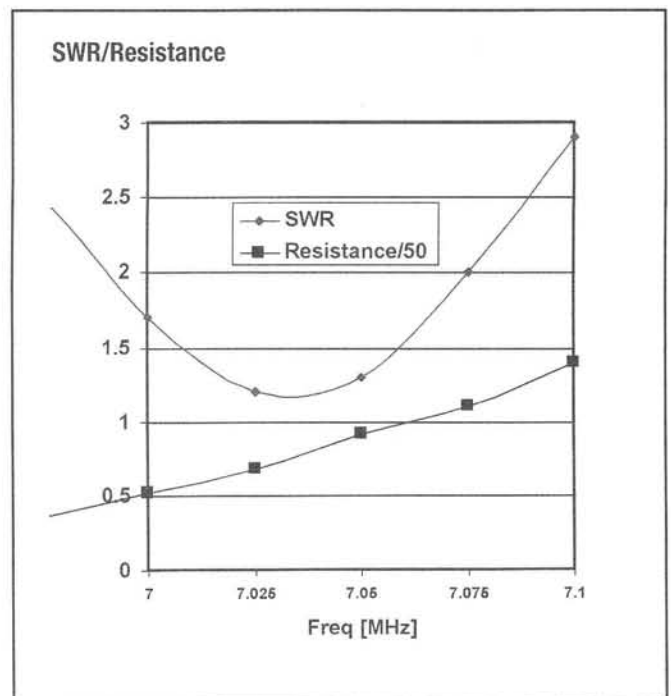


Figure 11. SWR/Resistance plot of the 40 metre Hustler antenna. The performance is good from 7 to 7.075 MHz. It can be used without adjusting its length over that bandwidth with the aid of an antenna tuner. It must be shortened if operation near 7.300 MHz is desired.

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12/27/2006	33771	BREWER, PATRICK	VE3KJQ	NEPEAN	ON	MARGARET HEASLIP	VE3EQE
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CHAPTER 134
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CHAPTER 112
CHARLES WALBRIDGE

HONORING

N5AXV
W5VIV
K5DLE
N4BGH
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The Last 12 Years at ARRL Headquarters

A Journalistic History of The Life and Times in Amateur Radio of George Hart, W1NJM
by George Hart, W1NJM

The last 12 years at ARRL headquarters were the hardest of my total of 39 years and 8 months. I was still in control of public service operating but had many other responsibilities as well, so most of the detail work had to be delegated. Bill Mann handled it quite adequately, but I missed getting my hooks into the meat of the problems. Chuck Bender handled W1AW quite adequately but there was trouble with and getting some of the operators to work with him. Bob White handled DXCC adequately but here also assistants were hard to come by. Lillian Salter performed her function as my administrative assistant more than adequately under Ellen's supervision, but occasionally a problem would arise requiring a decision on my part. Contests ran quite smoothly under Ellen's supervision and guidance. Rapid turnover of personnel was one of the biggest problems, the chief obstacle to finding qualified people being the low salary ranges. I tried to impress on all newcomers, all of whom I interviewed personally, that my policy was to promote from within if possible, but only if an underling had acquired sufficient experience and knowledge to do the job right.

At one point I drew up a proposal for revising the League's divisional plan and bucked it in to John, who turned it over to Perry Williams who gave it an unenthusiastic endorsement. The plan then existing, as it still does except that Canada is no longer a part of it, divided the League's operating territory into 16 divisions. I determined the total full (voting) membership of each division and discovered that the Atlantic Division, which had the most full members, had six times as many as the Dakota Division, which had the least, but only one director was elected from each division. This meant that a full (licensed) member in the Dakota Division had six times the Board of Directors representation as a full member in the Atlantic Division - a hugely disproportionate figure. To rectify this situation, I divided the total full membership of the League by 16 to arrive at the ideal number of full members in each division so that each member would have equal representation on the Board. How to re-divide the U.S. and Canada so that this quotient could be arrived at without making division boundaries too arbitrary and complicated? I decided on call areas to be the best possible base; so calculated the full membership in each call area. It too, of course, was highly disproportionate. So I proposed that each call area with full membership more than the above quotient elect two directors, while each call area below the quotient elect only one. On this basis, the total number of directors would be 16, exactly the same as at present. The number of members represented by each director would still be disproportionate but not nearly so much so as the present system.

The Hart Plan of division reallocation received little notice. It was generally considered unworkable, too complex and there were too many "what ifs." I had answers for all the questions but

received no questions. John Huntoon told me that even if the plan was presented to the Board it would never get through, for both political reasons and reasons of discontinuity. There was no outcry against the present system, so why change it? Why stir up trouble? I gave up, but kept the plan in my files for many years. It has probably long since been thrown out. The policy of "if it ain't broke, don't fix it" prevailed. But a corollary to this might be, "if the plan works, don't improve it" If we all followed this policy we would still be using spark and our national constitution would have no amendments. Besides, I was only the League's communications manager, where did I get off meddling with the League's basic structure?

Some time in the early 70's John Huntoon came into my office and announced that he was retiring. He still had a few years to go before mandatory retirement, so I was shocked at his decision. He was replaced by Dick Baldwin. This wasn't automatic either, but Dick had the ardent support of League President Harry Dannals and there was little opposition. I got along well enough with Dick, but I always had a funny feeling that he considered me not fully qualified for the job I held, although I doubt if he considered replacing me. As my retirement approached I made another suggestion outside my department and this one was adopted, perhaps partly because it concerned only headquarters management. Dick had been John's general assistant but, so far as I knew, without specific duties. I proposed to Dick

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that he appoint two "assistant general managers" to serve as buffers between him and the various department heads, the two AGM's each to supervise half the departments, leaving he GM more time to handle his many other problems with government and the Board of Directors. It was my understanding that the principal reason for John's early retirement had been pressure from the Board of Directors. I had expected to be turned down on this one too, so was quite surprised when Dick came into my office and told me he was adopting my suggestion and that he was appointing David Sumner and Bob Myers, both fairly new to the staff, to be his AGM's

I believe Dick thought I had expected (or hoped) to be one of the two AGM's if the suggestion was adopted, but this was not so. I made the suggestion entirely detached from personalities, as was my usual practice, with the overall benefit my only objective. I'm sorry if this seems unlikely under the circumstances, but it happens to be true. I don't think I would have accepted if he had appointed me, because I didn't feel I had enough familiarity with the operation of other departments to handle it properly. I was too much wedded to the CD. Dick said that my department would be one of those under Dave Sumner's jurisdiction and asked if I had any objection. I replied in the negative, although I did have reservations. Dave was a brilliant young man, but he had been on the staff only a few years and, I felt, a little short of experience and, perhaps, maturity. I did not voice these reserva-

"I never looked at the League as a business but as a sort of union devoted 100% to the benefit of its members with no profit motives."

tions. My Army experience had taught me how to behave under such conditions and I felt sure I could handle it, given adequate cooperation by Dave. I passed the word on to Ellen and she seemed quite unperturbed

Unfortunately, I did not work well under Dave, whether his fault or mine I have never been sure. Perhaps I was too conscious of the differences in our ages (he was 27, I was 63), in our amateur radio experience (50 years for me, 10 or so for Dave), in our time at HQ (38 years for me, 5 for Dave) to take seriously his assumptions of superiority over me. I tried very hard to apply the old army philosophy of respect for the rank, not necessarily for the individual, but it wouldn't wash. I did respect Dave's superior intelligence. He was every bit as good a CW operator as I, far superior in technical knowledge, probably superior in knowledge of government as it applied to amateur radio; and yet, when he sat in my office and lectured me on the principles of ARRL and business management I could not help but feel the incongruity of the situation, not to mention its ludicrous aspect. No, I didn't laugh. It wasn't funny. He was my boss, I had to do as he ordered. I knew Dick Baldwin would back him up, for Dick seemed to have what seemed to me a totally illogical worship for Dave's latent ability.

Perhaps it all started when Dick decided to require all department heads and their immediate assistants to take a course in business management offered by a firm specializing in this subject. The course would be taught by Laird Campbell, W1CUT, who was then high in the League's editorial department, and Dave Sumner, both of whom would be furnished with detailed instructions by the firm on how to conduct these courses. Ellen and I were the two "students" from the CD. We gathered, I don't remember how often, in the conference room off the lobby.

From the very beginning, I looked askance at the entire program, which was obviously designed for management of manufacturing firms, most of the precepts being inapplicable to a non-profit membership organization - and I so expressed myself. Dick agreed to an extent but said it was the only such course available, that the firm producing it had an excellent reputation, and that most of the basics applied to any business corporation, including the League. I did not agree, I never looked at the League as a business but as a sort of union devoted 100% to the benefit of its members with no profit motives. However, I received little if any support from my fellow "students," and backed off. I was "a good loser," and devoted myself to learning what I could from the course. As I look back, I feel I was partially right, partially wrong, but mostly the former. I learned a few things I hadn't known about management, but still thought most of the methods entirely inapplicable to our kind of operation and teaching them just so much time wasted. My management of the CD did not change one iota as a result

Two other incidents occurred during my last two years which turned me against Dave Sumner. The details are a little vague, but at one point a grievous error was made in the compilation of the Net Directory which was not discovered until after it had been printed, resulting in the necessity to reprint it at a cost to the League of thousands of dollars. Since the directory was compiled in my department I took full responsibility for the error, particularly in the fact that I had completely delegated the function and did not maintain close supervision. Dave called me, Ellen and the person who made the error into his office and there gave me a thorough dressing down. That was okay, I deserved it, but I thought it highly inappropriate for him to do so in front of two of my staff. I was already greatly embarrassed by the error but highly incensed with the way he had handled it, which I felt showed a definite lack of maturity.

The other incident occurred after Ellen had announced her resignation. During the last year before my mandatory retirement it was generally assumed that Ellen would succeed me as communications manager. To me it was a foregone conclusion, and she gave me no hint of any developments to the contrary, but in retrospect I should have seen the handwriting on the wall. Bob White, Ellen's husband, had been transferred to a different department by order of top management under a mandate from the Board of Directors, and Don Search, who had been Bob's assistant in DXCC, took over this function. It developed that the transfer was in effect a drastic downgrade. Bob's new function was in the handling of the ARRL QSL Bureau, a demanding enough task in itself, but under the direction of the League's mail room which was managed at the time by a woman not a licensed amateur. Bob found the situation completely untenable and proposed to resign and seek employment elsewhere. He and Ellen must have discussed it a some length and over a period of

time. I knew about Bob's situation upstairs and sympathized with him. I had protested vociferously when he was ordered to transfer, but to no avail. It was a Board mandate which Dick and Dave appeared to agree with. Don Search was a good man and could handle DXCC very well, but he was no Bob White. I accepted the situation without realizing the impact it could have on the CD. Perhaps I should have made more of a ruckus, but I'm sure it would not have changed the ultimate decision and consequences.

Most likely I was one of the last to know that we had not only lost Bob, but Ellen also. During that last year many inquiries from the field were made as to who would take my place as communications manager. I had replied with confidence and assurance that it would be Ellen White. But two weeks before my retirement date I found in my "in" box a long memo from Ellen announcing her intention to resign and go with Bob to live in Florida.

It was a shattering blow. I called Dave on the office phone and told him we had a problem.

"You mean because of Ellen's resignation?"

This was the second blow. It seems nearly everyone in the office but I knew about it. I was deeply humiliated, angry with Ellen for not cluing me in far beforehand (it seems the decision had been made weeks before), with myself for not having an ear for office scuttlebutt. Dick and Dave seemed not at all concerned about my replacement; in fact, Dick proposed jokingly that after my departure Dave could spend ten minutes in my office every day and accomplish everything I normally accomplished. Dave said that he was happy with Ellen's resignation, because "now I can select my own communications manager* This was the third blow. His communications manager! They seemed to think it strange that I was so concerned about who would replace me. They didn't seem to realize or understand that I was concerned about the welfare and future of ARRL as a strong advocate of its raison d'etre, not just of my own part in it. I wanted the CD to have a strong leader, such as I knew Ellen would have been and such as Ed Handy had been, and I felt very much concerned with who it would be. I recommended John Lindholm, W1DGL, who had worked with us during several summers on a tempo-

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rary basis and had done much good work. But John, by then a high school teacher, preferred to stay on his current job. The next possibility was Bill Mann, who had resigned his position as ACM for public service to go back to his native Maine; but Bill's wife was not willing to come back to Connecticut, so he reluctantly declined.

The day of my departure, in the afternoon, Louise came to pick up some personal items I wanted to take home (I usually walked or rode my bike). While she was there I had a visit from a representative of CIGNA who presented me with a check for \$120,000 representing my retirement fund, which I had opted to take in a lump sum rather than a monthly stipend of a little over \$700. Louise, who was slated to retire from Aetna Life Insurance Co. the following month, was greatly impressed. After I had loaded the car with my personal belongings and she had left, Dick Baldwin stopped in and wished me well, sat and talked for a few minutes. I don't recall that Dave even so much as bade me farewell. Regrettably, Dave and I didn't seem to hit it off during those last two years, which were extremely uncomfortable for me as a result, and which he could have made much easier with a more conciliatory attitude. Was it my fault? I didn't think so and still don't, but I doubt if it ever bothered him. It bothered me for years afterward, because Dave succeeded Dick as general manager and then, following a sweeping reorganization, as Executive Vice President, reducing his power and giving the Board of Directors more of an oar in headquarters management. The Communications Department was abolished and its functions divided up among several other headquarters entities. By that time John Lindholm had been lured back from his teaching job to take over as Communications Manager and became prominent in the reorganized headquarters, I don't remember in exactly what capacity.

My retirement occurred on Nov. 1, 1978, my 65th birthday. Louise retired from "The Aetna" on December 1 just a month later. On December 4 we were on our way to Florida to spend our first of 16 winters there in Bonita Springs where my brother Ed (then N4KB) lived with his wife and our mother.

Before leaving the subject of my almost 40-years at ARRL headquarters, I want to cover several events that occurred during that period that were overlooked in the above, some hinging on my job, some not. The first and most important of these is:

Clubs and Field Day

Already covered has been my early-years membership in the Lehigh Valley Amateur Radio Club. The college years and subsequent move to Connecticut pretty much severed my relationship to this club, of which I had been one of the earliest but not a founding member. I was, however, a founding member of the Newington Amateur Radio League in 1946 and the Connecticut Wireless Association in 1947. NARL was formed from the WERS amateurs during WWII and I was its first president after returning from Army service in 1946. Actually, however, Charlie McLeod, W1AVN, served as president pro-tem until my return, when he turned the presidential reins over to me. I served only one term, then was "kicked out" because the members didn't like my high-handed discipline at meetings. I was defeated by Don Spencer, a non-ham at the time, who later moved to Florida (Englewood) and obtained his ham ticket. Don was a pretty special guy and a good friend. I met him at several get-togethers of

hams in Florida and we kept promising each other to renew acquaintance but never did.

The Newington club members were not my kind of hams. I believe Don was the only non-amateur to serve as president, but the only reason he was not a ham was because he didn't care for the code, which he learned well enough to get his license while in Florida. I felt then and still feel that anyone not being familiar with the "Morse" code is missing out on a major part of ham radio, although less so now than in the 40's. About a year after I returned from the Army I started hosting meetings in my "ham shack" in the basement of my home, right here on Highland Street. We called it the "Thursday Night Group," consisting of myself, Joe Moskey, Doc Hayes, Rod Newkirk, Tom McMullen, Murray Powell and possibly a few others. It was not really a club, just a few hams getting together for bull-shooting and general palaver. But eventually we decided to form a club to be called The Connecticut Wireless Assn. We were all CW men and our principal activity became Field Day. More about CWA's participation in Field Day later.

Field Day was established by F. E. Handy, W1BDI, as a "test of portables" and became a major annual operating activity sponsored by ARRL. In June of 1933, I had just completed my freshman year at Penn State and didn't hear about that first "Field Day." I'm not sure that's what it was called that first year, but the name became legendary in the years to come, as the ARRL-sponsored activity with the greatest number of participants. I was, however, a participant in the second Field Day and nearly every one since, up to the present day. In 1934 Ed and I put up a tent at the "woodshed" on our farm in Cedar Valley. We operated entirely on batteries using entirely homemade equipment and if my memory serves me correctly we made a total of 12 contacts in 24 hours, using the call W3NF/3. I was 19, Ed was 23. We slept in the tent and were eaten up by mosquitoes. Moths and June bugs flocked to the light from our gasoline lantern. The transmitter was a '45 tube in a Hartley circuit running perhaps 5 watts and the receiver a regenerative using a pair of '30's. The woodshed was a wooden structure at the far eastern part of the property, originally put up by our father. It contained an open area in the middle in which had been a saw mill, with a locked shed to store blasting equipment at one end and another shed at the other end to serve as temporary living quarters. This had started as a temporary building on the site of a future mansion, the idea being to use the many trees for lumber to build me house and dynamite to blast the many rocks and stumps to clear the land and use the crushed rock to build a driveway from the county road about half a mile away. But Prof. Edward Hart had passed away in 1931 and the "woodshed" was another abandoned relic of an uncompleted project. We did not use any of the woodshed facilities, such as they were, but camped in the open in our little wall tent. The big old stone farmhouse where we lived was a scant half-mile away along the ridge of Seller's Hill with a connecting primitive dirt road through the woods, but we stayed in our little tent on Saturday night despite the temptation to "break camp" and return to the comforts of the house.

I remember that first Field Day very well, but there were several others between then and 1938, all at or near the same site. I don't believe we missed a single one, at least one of which was with the Delaware-Lehigh Radio Club with which Ed had become affiliated, but the details are long forgotten. I did miss

the 1938 Field Day when I was still at Penn State trying to finish my master's thesis.

In 1939, '40 and '41 I attended Field Day with the ARRL Communications Department gang. These took place on the grounds of the crippled children's home and hospital in Newington. A cabin had been built in the woods adjoining the home, used by the Boy Scout Troop of crippled kids, and Ed Handy had obtained permission for us to use it on that weekend. The cabin was in a very poor radio location, near the bottom of Cedar Mountain off Cedar Street in Newington, nestled in among tall trees. Although we had some fine operators in the CD, we usually lost out in the annual competition with another Field Day group from headquarters called the South Lyme Beer, Chowder and Propagation Society consisting mostly of members of the Secretarial and Technical Departments: K. B. Wamer, A. L. Budlong, John Huntoon, George Grammer and Byron Goodman, plus a few others. This group set up at Budlong's place on Long Island Sound, a much better location than we had.

Of course there were no Field Days during the war years of '42, '43, '44 and '45, but by June of 1946 things were about back to normal and the activity was renewed. Unfortunately, since I was still in the Army in Germany, I missed the 1946 Field Day, but by 1947 I was resettled at good old 66 Highland Street in Newington and went out with the CD gang at the Boy Scout cabin again. This time we had, besides the ubiquitous Ed Handy, Joe Moskey, Doc Hayes, Al Hill, Tom McMullen and a few others, all excellent CW operators, and we racked up a good score, only to find out that "South Chowder" had again beaten us by a good margin. We had the bulk of good operators but not such a good location; even so, because our final score had been so much higher than any previous year, we expected to beat them. It was a devastating blow to our morale and we took a lot of intra-office kidding about it.

NARL also went out on Field Day, but I never participated in their Field Day until after my retirement. With NARL, Field Day was a relaxed activity, more like a picnic. With the CD and CWA it was an all-out effort to win, or at least to beat South Chowder. The South Lyme group was not an amateur radio club in the true sense; they met only once a year for Field Day at Budlong's place and discontinued soon after the war. NARL and CWA were true radio clubs, with regular meetings twice a month and many activities other than Field Day, although in CWA's case Field Day was a principal activity and planning for it took place almost the year around. We placed highest in the nation in our class several times. NARL competed with a club from Southington, Conn., and beat them almost every year, but were always far down in the national standing as participation by clubs and groups all over the nation increased.

As a founder of CWA as well as NARL, I served almost every office in both clubs as the years passed, but my greatest interest was in CWA. NARL deteriorated into pretty much a social group. We met in each other's homes, sometimes with less than a quorum, and occasionally the conversation had nothing to do with amateur radio; in fact, one time a member facetiously called us the "Never Amateur Radio League." By 1970 the club was all but nonexistent, but then a few of the newer people at ARRL Headquarters proposed to start a new club and sought my advice. I suggested they rejuvenate NARL and a complete reorganization of NARL began. In the forefront of this movement was Lee Aurick, W1SE, and several other ARRL headquarters

staffers; but membership solicitations were by no means limited to the headquarters staff. A lot of interest was generated by the recruiting efforts of Lee and others, and within a surprisingly short time the rejuvenated NARL was a going concern. I was then and still am a member but since the rejuvenation have stayed in the background.

The Connecticut Wireless Assn. was quite active until the late 70's. While Field Day was its principle activity on a "must win" basis, other activities were also conducted by the membership, which was restricted to 15 and new members were voted in by secret ballot with one dissension being a negative vote. Being a skilled CW operator was considered a requirement for membership. We had occasional "guest nights" to which local amateurs were invited and "looked over" for possible membership to keep our maximum of 15 filled. Several vacancies were thus filled, among them Roy Fosberg, W1TX, and Ike Hemingway, W1HUM. Roy worked for the Hartford Electric Light Co, and Ike for Aetna Life in Hartford. Other prominent members were F. E. Handy, W1BDI; Joe Moskey, W1JMY; Murray Powell, W1QIS; Vie Powanof, W1EOB; Roger Cory, W1JYH; John Doremus, W1EDA; Phil Simmons, W9VES; Dick Smith, W1FTX; Rod Newkirk, W9BRD; Pete Chamalian, W1BGD; John Lindholm, W1DGL; a ham from Manchester (Conn.) whose name and call I should remember but at the moment do not; another ham with some prominence locally who lived for a time with John Lindholm at a place on Avon Mountain. These names and calls will probably pop up in memory later but do not at the moment of writing..

I was far more active with this group of CW hotshots than with any other amateur group during the 50's, 60's and 70's. Some of the call letters mentioned have since been changed with the advent of "vanity" calls. I have always deplored the changing of calls for vanity's sake, but most amateurs seem inclined to indulge in this when they become eligible. For example, Roger Corey became W1AX; Pete Chamalian became W1RM. (I was a close friend of the former holder of this call, a salesman from up north somewhere who visited HQ frequently.) John Lindholm became W1XX. Of the four calls I have held in my 73 years of hamming, only one was a reissue - W3AMR, my first call, which I held from 1930 to 1973 but seldom used. I was assigned W8EDF when I went to Penn State but never used this call. D4ALS was the call assigned to me during the very short time I operated in Germany. I was assigned W1NJM in 1941. So I held W3AMR for 43 years, W8EDF for only one or two years, W1NJM for 61 years (so far) and D4ALS for only about 3 months in Germany. When I changed calls it was because I was forced to, not because I wanted to. I held W3AMR and W1NJM simultaneously for 32 years. When I was signing D4ALS in Germany (licensed by the Army Signal Corps, not FCC) I also owned W3AMR and W1NJM. In those days when you moved from one U.S. call area to another you had to change calls, but you could retain your old call if you had an address in both call areas.

In the next installment, George will continue the narrative about CWA.



"GEEKS"

"GEEKS" A Chapterized Book About Growing Up As a Kid Ham in "da Big Apple"

By: **Bill Pasternak, WA6ITF**

Edited By: **Lou Ann Keogh, KB6HP**

continued

So, you ask: "How did this scribe get into ham radio?" It was the summer of 1959. It happened because I had failed a course in trigonometry and was making it up in summer school.

I was not alone. Everyone in our class had failed, and some were no dummies. One of my fellow alumni went on to be a physicist. He had straight As in all his other courses, but not in trig. No, it was not that our class could not comprehend the mathematics - we couldn't comprehend the teacher.

I won't give you his name. He is gone now, and so let's let proverbial sleeping dogs lie. So we will call him "Teacher X" and "Teacher X" had a communications problem. He never talked.

Not as in he had little to say. This guy never ever uttered a word!

No, he wasn't physically handicapped. He conversed well with other teachers outside the classroom, but not with students. When it came to dealing with us kids either inside or outside of the classroom, he was mum. In fact, we nicknamed him "Mr. Quiet." In his classroom all communication from him to the class was written, in chalk, on a squeaky blackboard. No matter what question you asked, the answer was always a long time in coming as it eked out of his hand in bold white letters.

Another problem with "Teacher X" was that nobody

ever passed a final exam. By the time I got to his class he had been teaching trig for over three decades. A long time later I later learned that in the 30 years he had never given any student a passing grade!

Today to fail an entire class, class after class, year after year, probably means a congressional investigation of a person's fitness to teach. But back then it was not unusual to have entire classes failing a subject and no administrator asking anything. And if a parent complained, he or she was told that they had a stupid kid! After all, it was the 1950's.

Anyhow, let me set the scene: I am attending summer school in Brooklyn, New York. It's hot and humid. There is no air conditioning. The topic is boring. Worst of all, the girls are about five miles away, romping in the surf at Coney Island. Yes, there was a day when it was safe to romp in the surf at a New York City beach (you don't want to do that these days, not if you want to keep on romping).

Then I met "The Ax."

The "Ax" was only a nickname based on his call sign back then, WA2AKX, Charles Zusman. To me he was just Charlie.

While we were in the same summer class, Charlie was there by choice. His fathers' choice of "get a summer job or go to school." Charlie viewed school as the lesser of two evils. Charlie also rode to summer school on the train as did I.

Anyhow, it was mid August when it happened.

Charlie and I were on the elevated subway -

headed to Coney Island station - surrounded by

lots of cute girls headed to the beach, and obliv-

ious to their existence.

The train, in this case, was the New York City West End Subway. This in itself is a contradiction in terms, since the West End - or B Train, as it is now called, is elevated about 50 feet above ground for most of its Brooklyn Run.

Anyhow, Charlie and I began talking one day on the West End subway heading to Coney Island station where we would change for the last part of the ride home. He to the Culver Line, and me to the old Sea Beach line. Day after hot day we would climb the stairs, show our student passes, and wait on the sticky platform for the train to come. And we would talk. Soon we became friends.

Then, one day Charlie suggested I come home with him to see the ham radio station he was building.

"You're a ham?" I exclaimed. "Do you know Babs?"

He looked at me, bewildered for a moment, and asked how I knew about Babs. I told him the story of spending time playing in K2IXN's radio store and of the old radio transmitter on the bench.

"That must have been an SCR-522 with a 2 meter converter - and yes, I know Babs" he said.

Having nothing better to do, I went with Charlie to his station on the Culver Line and then we walked a few blocks to his house. I called to tell my mom I would be a little late because I made a new friend and I am going to look at his ham station. My mother, who knew nothing about radio other than how to tune in "One Man's Family" on our table-top Emerson said: "...okay, but don't eat any. Its not Kosher."

Trust me. I did not try to explain. At least not then.

As July rolled into August, I spent more and more time at Charlie's house. While he had a ham station, it was not a working ham station. As with most kid hams of the day, he was trying to make it "better," and as such it was never really ready to go on the air. So we studied trig together and played electronic things. Trying out different circuits from something called the ARRL Handbook, circuits that never seemed to perform exactly as claimed. It never even occurred to us that this might have been because we never had the money to buy the proper parts and were always scrounging used stuff from radio stores.

Anyhow, it was mid August when it happened. Charlie and I were on the elevated subway - headed to Coney Island station - surrounded by lots of cute girls headed to the beach, and oblivious to their existence. No, we were debating the pros and cons of plate modulation versus screen grid modulation. A hot topic of the day no doubt. Suddenly, Charlie stopped mid-sentence, thought for a moment and exclaimed:

"Bill - I just realized -you ain't a ham!"

What an amazing revelation after two months of talking every day! And he goes on to ask: "Why ain't you a ham?"

So I give him the stock answer of: "I don't have the time to sit down and learn that damn morose code." Yes, back then I called it the morose code. I thought that's what its name really was, because it was so hard to learn.

Charlie quickly corrected me. "Its the Morse code, named after Samuel F.B. Morse the great inventor who created it," he told me.

I responded with "Morse or morose - I still have no time to learn it."

Charlie's answer was short and sweet. "If you don't pass your test in two weeks, I am going to beat you up!"

Now, I have not yet described Charlie, but as a teen he was a full head taller than me, weighed probably twice what I did, played football and had something I did not. Muscles. So when Charlie said he would beat me up. I took it seriously.

Talk about motivation to learn CW! He gave me an old and worn ARRL study guide, and a hand written copy of the code. Within 48 hours I had memorized every dot and every dash, and knew what they meant. Every day Charlie would say "...you only have such and such number of days left!"

So, I sent off for my Novice test as I spent the rest of the time building my code speed to the needed 5 words per minute.

Friends: I am living proof that Incentive Licensing really does work! But it only does so if you give a person the incentive of learning CW as opposed to having his body wracked with pain. Do that and I promise that he will learn the code and he will pass the test! Trust me, I know from personal experience.

When I called Charlie late that September to tell him that the FCC had given me the call sign WN2HVK, he not only congratulated me, but also told me that he had never had any plans to beat me up. It was just his way of giving me the incentive to get moving. Had the ARRL pushed Charlie's brand of incentive licensing, I doubt that we would have today's no-code Tech.

As a post script, I lost track of Charlie for over two decades. One day, I was on the phone with another old ham friend back in New York, and asked about him. It turns out that Charlie went into a literary career and is currently a newspaper editor. He also sports an Extra class ticket and the call sign WE2R. Thanks to the Internet and e-mail. He is never very far away. And in the end, the word "friendship" — be it as a child — a teen or a grown-up is really what our hobby is all about.

So I say: "Thank you Charlie. Your friendship when we were teens helped guide me to a life and career that might otherwise not have come my way."

To be continued...

de
WA6ITF

*He gave me an old and worn ARRL study guide,
and a hand written copy of the code. Within 48
hours I had memorized every dot and every
dash, and knew what they meant. Every day
Charlie would say "...you only have such and
such number of days left!"*

LAWS

Dummy Load: A measure of the stress exerted on a tower by a ham who climbs the tower without a safety belt.

Law of the Workshop: Any tool, when dropped, will roll to the least accessible corner.

Law of the Alibi: If you tell the boss you were late for work because you had a flat tire, the very next morning you will have a flat tire.

Variation Law: If you change lines (or traffic lanes), the one you were in will start to move faster than the one you are in now (works every time).

Bath Theorem: When the body is fully immersed in water, the telephone rings.

MEMBER CLASSIFIEDS

WANTED: I have a IM-17 Solid State Heathkit Voltmeter (VTVG) and need some adjusting information. Please contact B.G (Dave) Davenport, W4GCJ. 401 Hassellwood Drive, Jamestown, NC 27282-9390 Phone: (336) 202-8037.

WANTED: QCWA Members!! Place your ads here for FREE!! Have something to sell? Looking for a part, manual, book etc.? Take advantage of your membership and send us your ad today!

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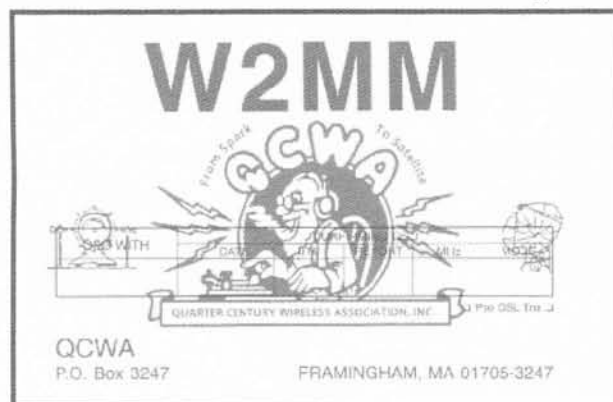
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Silent Keys

With great sadness we record the passing of these members

NAME	CALL	MEM. #	L	SK	CITY	ST/PR
GATES, SAM W	N5AXV	15413		2006	NATCHEZ	MS
GETCHELL, WILMAH M	W1HRE	03100		2006	LANSDOWNE	VA
SNYDER, MERLE F	N6ATY	19150		2006	LOMA LINDA	CA
SNYDER, MERLE F	N6ATY	19150		2006	LOMA LINDA	CA
WOODALL, BEN D	W5MBO	11425	L	2006	RED OAK	TX
WALSTROM, ROBERT W	W0EJ	21558	L	2006	CEDAR RAPIDS	IA
AMBORN, PHIL W	W6PA	05632		2006	SAN LUIS OBISPO	CA
AMBORN, HARRIET L	N6HA	05631		2006	SAN LUIS OBISPO	CA
BOTTOMLEY, JAMES H	W7TG	06260	L	2006	VANCOUVER	WA
BROWN, WILLIAM P	W6ZUM	10688		2006	LA MESA	CA
CAIN, GARY	W8MFL	29091		2006	SHAKOPEE	MN
CLIFTON, TED K	W9TC	08459	L	2006	FT WAYNE	IN
DIX, THOMAS S JR	W3BFH	01084	L	2006	COATESVILLE	PA
FITZHUGH, JAMES V	W5VL	06921		2006	SAN ANTONIO	TX
FISCHER, SAMUEL W	N0XR	33133		2006	MOBERLY	MO
GRAFF, CLIFFORD	W8QM	08837		2006	SAGINAW	MI
HANDY, HERBERT W	W6SFZ	11011	L	2006	HILLSBOROUGH	NC
HEARLE, KENNETH E	K0AOE	14593		2006	WICHITA	KS
LONG, ALFRED B	W5EKE	19291	L	2006	BEAUMONT	TX
MARTINSON, EDWARD E W	W0GYH	01633	L	2006	MOUNDS VIEW	MN
MC ELWAIN, JACK	W5SVZ	31071		2006	DALLAS	TX
MC MULLEN, ROBERT L	KA7KIK	21751	L	2006	CHEYENNE	WY
NAILON, GENE A	K5DLE	16194		2006	EDMOND	OK
QUIAT, MARSHALL	AG0X	29009		2006	DENVER	CO
QUIAT, MARSHALL	AG0X	29009		2006	DENVER	CO
SNYDER, JOHN DOUGLAS	W0WRT	22247		2006	OMAHA	NE
GABRICK, GARY W	WZ0G	21893	L	2006	COMSTOCK	WI
MEADOWS, CHARLES E	WB6AWK	30702	L	2006	LAGUNA NIGUEL	CA
GABRICK, GARY W	WZ0G	21893	L	2006	COMSTOCK	WI
MEADOWS, CHARLES E	WB6AWK	30702	L	2006	LAGUNA NIGUEL	CA
GABRICK, GARY W	WZ0G	21893	L	2006	COMSTOCK	WI
WILKIE, HENRY E	K3AZH	24556		2006	NEWARK	DE
RICHTER, REINHARD	DJ1KM	18136	L	2006	HANNOVER	
WALLACE, ROBERT A	W1HH	06846	L	2006	CHELMSFORD	MA
KOSOBUCKI, EDMUND J	K4JNL	14777		2006	COLUMBUS	GA
MC DADE, EVEREST	W4DYW	18102		2006	ARDEN	NC
MESEROLE, GEORGE B	N2AGO	21013		2006	CLEVELAND	NY
RAMBO, G LEWIS	WA7ELI	25832		2006	BOTHELL	WA
CEXTON, KENNETH W	K6LFR	25980		2006	CLOVIS	CA
WILSON, WENDELL D	W0TQ	12125		2006	OVERLAND PARK	KS
GARLAND, DEAN O	KA5HBO	32958		2006	ROGERS	AR
GORGOS, FRANCIS J	W2HJS	05155		2006	BINGHAMTON	NY
SAVONIS, JOHN	W1DBS	01822	L	2006	NEW BRITAIN	CT
TUCKER, KENNETH M	W0UIZ	16209		2006	PERSIA	IA
SAVONIS, JOHN	W1DBS	01822	L	2006	NEW BRITAIN	CT
GEIKEN, DELBERT JOHN	N0ZGE	27838		2006	DAVENPORT	IA
DAGGETT, RICHARD K	K0PSH	30097		2006	SPRING VALLEY	MN
SIF, ROBERT G	K4AMG	03143	L	2006	SARASOTA	FL
FOSTER, EARL JOHN	W3BKF	26781		2006	GILLET	PA
HOMER, VINCENT H SR	W3HGS	26073		2006	BRACKNEY	PA
THOMAS, FRANKLIN B	W4QDM	24735		2006	AUGUSTA	GA
WILSON, WILLIAM D	K0GHI	24376		2006	BLAIR	NE
JOHNSON, ORVILLE L	W0BON	09641		2006	DENVER	CO
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Date _____

First Licensed Year _____

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I, _____, _____
(Print Name Clearly) Present Call

having been licensed as an amateur for 25 years or more and presently holding the call listed above,
(it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA.
I understand that proof of the original date of licensing is required. My complete mailing address is :

Street Number and Name _____ City _____ State _____ Zip Code _____
E-Mail Address _____ Telephone Number _____

I will keep QCWA Headquarters advised of changes in my address and/or call sign. My first Amateur
license was dated _____ and the Call was _____ Other Calls held _____

Date of Birth _____

I wish to become affiliated with QCWA Chapter _____

Your Signature _____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans:

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(ea. additional)

QCWA Dues for a ONE-year period \$25.00 _____

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07/06

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- **QCWA Gold Certificates** celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.
- **Gold Certificates** are issued in five-year increments; 55, 60, 65, and 70-year certificates free of charge to eligible members. Special awards are issued for 75 years and higher.
- **Fifty-Year Continuous Licensing Gold Certificate** available to eligible members. Requires submission of proof of continuous licensing. Applications are available from QCWA Headquarters.
- **QCWA Century Club Certificate** is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.
- **Meritorious Award Certificate** is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

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The Activities Manager issues QCWA Operating Award Certificates to QCWA members. Proof of eligibility is required.

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